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JANUARY 19, 1929.

Vol. CX.



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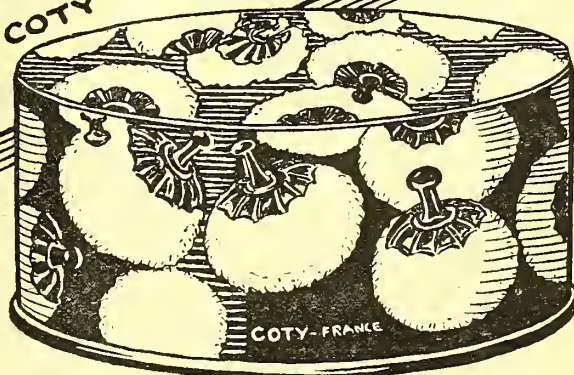
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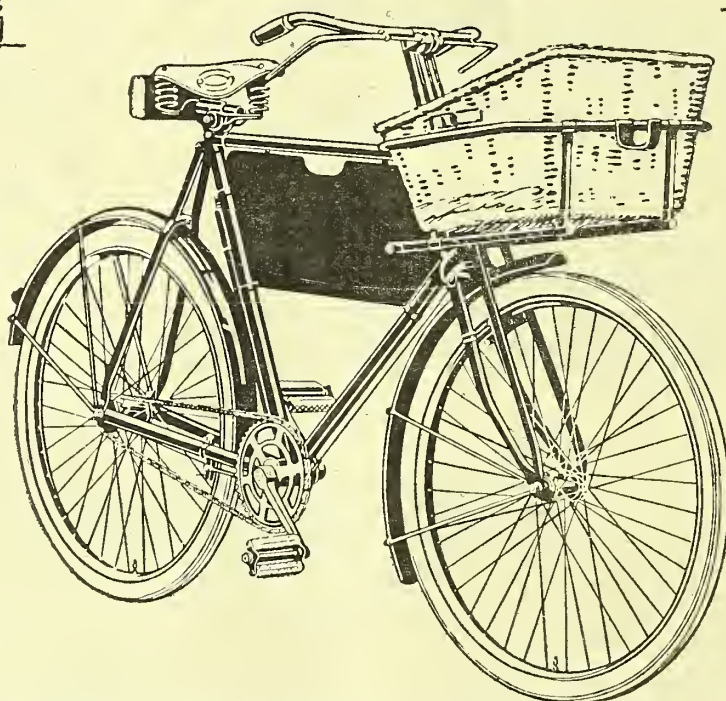
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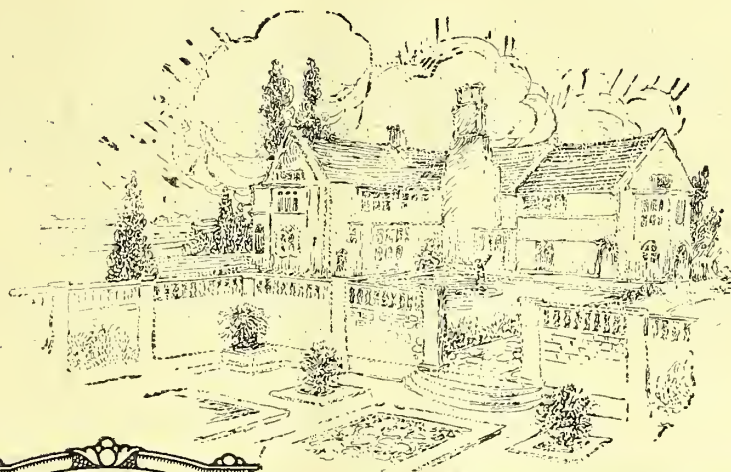
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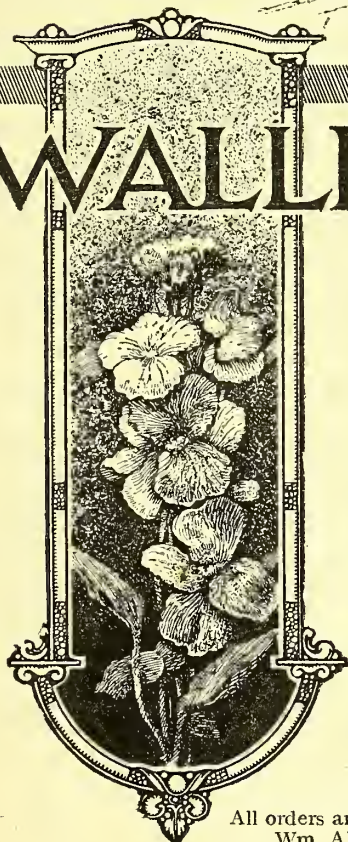
Samples and particulars from—

CHAS. ZIMMERMANN & CO. (Chemicals), LTD.
St. Mary-at-Hill, London, E.C.3



WALLFLOWER

A "Distol" of old-world Charm



ONE of the oldest and still one of the most popular of the forty-five "Distol" Ottos which enable the Chemist to make perfumes of excellent quality without locking up capital in expensive stocks of Spirit.

"Distols" appeal to the busy Chemist because their use involves no blending, filtering, tinting, distillation or other time-absorbing process.

"Distol" Ottos are ideal for your own proprietary perfumes and distinctive toilet preparations.

Ask for samples of perfumes made from any six.

TO EXPORT BUYERS

All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

C/898

COPYRIGHT

Merchandise Marks Act

(Imported Goods) No. 3 Order, 1928.

THIS Order comes into operation on Jan. 14th, and on and from that date all imported honey must have an indication of origin printed, stencilled, stamped, or branded on the container, or on label securely attached thereto, indelibly and in a conspicuous manner, in plain block letters.

The form indicating the origin in the case of blends or mixtures containing imported honey shall be at the option of the person applying the indication, either :—

- (a) in the case of honey derived from countries within the Empire, the word "EMPIRE"; and in the case of honey derived entirely from foreign countries, the word "FOREIGN"; or
- (b) a definite indication of all the countries of origin of the honeys forming a blend or mixture; or
- (c) the words "BLENDED IMPORTED," provided the indication "BLENDED IMPORTED" shall be applicable to any blend or mixture of honey, even if it contains honey produced in the United Kingdom.

New Zealand 'Imperial Bee' Honey

has always been clearly marked as to Country of Origin and, in addition, for some years the glass containers have had a label attached bearing the words—

EMPIRE PRODUCE

There will be, therefore, no necessity to alter in any way the marking of NEW ZEALAND "Imperial Bee" HONEY.

An Apology

The demand for NEW Zealand "Imperial Bee" HONEY outstripped our packing capabilities, and we offer our regrets and apologies to all those whose supplies have been delayed. We are pleased to state that greater packing facilities are being arranged, and we hope shortly to be once more able to execute all orders promptly.

Meantime we shall be grateful for assistance rendered by the placing of orders in advance of requirements.

ORDER THROUGH YOUR WHOLESALER

Sole European Agents:—

A. J. Mills & Co., Ltd. (Honey Dept.)
Colonial House, Tooley Street, London, S.E.1

Telephones: Hop 6444, 7051 (10 lines)

And at—BIRMINGHAM, BRISTOL, CARDIFF, LEEDS, LIVERPOOL, MANCHESTER, NEWCASTLE-ON-TYNE.

£6 of ROBOLEINE for £5

Any chemist who undertakes to make a fortnight's window display of Roboleine and places an order for £5 net value (made up in any sizes) will receive an additional £1 worth free, together with a supply of samples, literature and display matter. The consignment will be sent carriage paid, in a free case.

Roboleine has no opposition to overcome. It has been on the market 22 years and has an established position with Doctors and with the public. And this winter it is being advertised as never before, in all the great national dailies, in the leading provincial newspapers and in a long list of Women's papers. 127,684,000 large advertisements will appear between the beginning of October and the end of April.

Roboleine is going to be a best-seller this winter. Now is the time to make sure and get a good share of the increased trade.

Roboleine

CONCENTRATED NOURISHMENT
IN EVERY SPOONFUL

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP	10/-	1/-
A complexion soap.		
PROLACTUM	10/-	1/-
For the lips.		
PARSIDIUM JELLY	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM	22/6	2/6
A dressing cream.		
BORANIUM	22/6	2/6
A hair tonic.		
CLEMINITE	22/6	2/6
For a face lotion.		
COLLIANDUM (Powder & Solide)	22/6	2/6
For a face tint.		
PERGOL	22/6	2/6
A deodorant.		
TEKKO PASTE	22/6	2/6
Camphor cream.		
STALLAX	13/6	1/6
For a shampoo.		
JETTALINE	22/6	2/6
For clearing the skin.		
PHENINOL	36/-	4/-
A depilatory.		
MENNALINE	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX	18/-	2/-
A face cream.		
STYMOL	31/6	3/6
For oily complexions and blackheads.		
SILMERINE	22/6	2/6
Hair-curling fluid.		
BARSYDE	22/6	2/6
Dandruff eradicator.		
TAMMALITE	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.		
SIPOLITE	18/-	2/-
A new depilatory.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES	36/-	4/-
For obesity.		
SOFT PALERIUM	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH ..	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS., & KARNOVSKY, LTD., Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
Denmark: KARL SCHULTZ & CO., Copenhagen.
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

DAWSON'S DENTIFRICE

COST

3/-
doz.

SELLS

6d.

Profit

100%
on
Cost



IN ALUMINIUM TINS. 9d. size 4s. 6d. per doz.

**FREER'S LYSOL SHAVING STICK,
FREER'S DENTAL CREAM,
and several other lines.**

Carriage and Packing FREE. Monthly a/cs.
SPECIAL QUOTATIONS for WHOLESALERS,
SHIPPERS and LARGE BUYERS.
Write for Sample Tins.

FREER'S MFG. CO. LTD.

6/7 Norton Folgate, Bishopsgate,
London, E.C.

Phone: Bishopsgate 2209.



GREY HAIRS

appear just here.

TOUCH THEM UP WITH

TATCHO-TONE

and they will instantly recover their
natural shade. Medical Guaranty with
each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2

THE HOUSE FOR QUALITY IN PUFFS

NOVELTIES ALWAYS AVAILABLE

COMPACT POWDERS

Specially Prepared.

Any Tint. Any Perfume.

F. SCHUTZE & Co., Ltd.

BLACK BULL WORKS, CALEDONIAN ROAD, LONDON, N.7

Tried & Proved

Rowland's Macassar Oil is no new
preparation; it has been used all over
the world for more than 136 years
and everywhere it is held in the
highest esteem. It is guaranteed to

contain no
injurious
substance

P.A.T.A.

3/6, 7/-

& 10/6

Red for

dark hair;

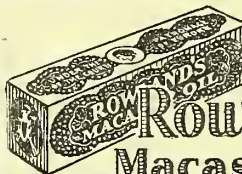
golden for

fair or

grey hair.

From all

Wholesalers



**Rowland's
Macassar Oil**

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

RM47



New- Different- and Better!

A combination of novel features in this latest success of the House of Cussons has resulted in a product which will make an instant appeal to your customers.

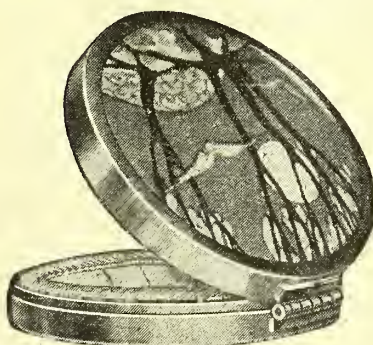
"Mists (of the) Moon"

Compact Powder

Here are your selling points!

- THE CASE** - Finished in attractive bright gilt lacquer—Underneath part has "engine-turned" pattern which does not show scratches.
- THE DESIGN** - Richly coloured lid, "Mists of the Moon" Motif, free from advertising matter.
- THE MIRROR** - Reducing type, showing the whole face.
- THE POWDER** - Delicately perfumed smooth as velvet—in every respect—Perfection.

The Price - *Retails at 1/6* Have you a more attractive proposition?



Packed in richly coloured counter display boxes of ½ doz.

Cussons

KERSAL VALE, MANCHESTER

ESSENCES & SYNTHETICS LTD.

WILLIAM C. SLATER, Managing Director.

4 CARLISLE AVENUE, FENCHURCH STREET, LONDON, E.C.3

Royal 0290.

Essynthet—Ald—London

A few of our latest Creations:—

AMBREINE

A sweet Oriental perfume with a delightfully delicate floral nuance.

LILY-OF-THE-VALLEY

True to Nature; even in its last traces on evaporation.

VICTORIA VIOLET

A very successful composition; a necessity to the creative perfumer.

PARMA VIOLET

A standard Violet; indispensable in the absence of the natural flower oil.

WALLFLOWER

A beautiful reproduction of the Old English Wallflower.

ROSE

An excellent substitute for Bulgarian Otto.

JASMIN

A composition giving the pungency as well as the ever-popular floralcy of Jasmin flowers.



Of the highest possible concentration, and hence very economical in use; perfectly soluble; do not discolour. Suitable for handkerchiefs, perfumes, face powders, vanishing creams, brillianines, toilet waters, bath salts, soaps. Samples cheerfully sent by return of post.

A new Nildé sifter box

(HANDBAG SIZE)

Modernised and improved, this extra flat sifter box with puff is of new design outside and in, leak-proof, and the powder cannot patch or break. It contains as much powder as the well-known red and gold striped box, perfumed with our new creation, l'Ille Heureuse.

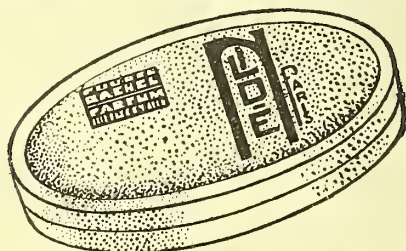
33 1/3%

discount off
selling price.

In 7 shades:—
rachel, naturelle,
ocre rosé, rose,
basanée,
indienne,
blanche.

1/-

P.A.T.A.



Distributed in
the U.K. by

BROOKS & Warburton, Ltd.

40-42 LEXINGTON STREET, W.1.



PATCHOID SHOWS NEARLY 100% PROFIT

Patchoid is recommended by Hair Specialists all over the country. It is therefore in constant demand. You buy Patchoid at 48/- per doz. (14 bottles). It retails at 5/6 per bottle. Patchoid Cremard costs you 20/- per doz. (14 pots) and retails at 2/6 per pot. ON THE P.A.T.A. LIST

"LITTO" PATCHOID

BROUGHT ABOUT THIS
RESULT. IT IS ACCEPTED
AS THE RECOGNISED
TREATMENT FOR
BALD PATCHES

Patchoid is sold under a binding guarantee that it will give similar results to those shown in the photograph. Patchoid Cremard is recommended for use with Patchoid as it frequently hastens the desired result. Patchoid is well-known to the public, and there is a steady and growing demand.

LITTO Preparations for the
Hair are obtainable from
all the leading Wholesale
Houses, or direct from—

THE LITTO LABORATORIES
29 Highbury Grove, London, N.5

IMPORTANT ANNOUNCEMENT**ALPINE SUN BATH SALTS**

ARTIFICIAL SUNLIGHT IN A PACKET.

A REALLY GOOD SELLING NEW LINE

Do not miss your share of the profits.

Alpine Sun Bath Salts are a completely new preparation specially manufactured by a secret process which includes the Ultra-Violet Ray. Recommended by Doctors for Rheumatism, Sciatica, Lumbago and all Muscular and Nervous Complaints. Also Corns, Callouses, Chilblains, Burning, Itching, Smarting and Perspiring Feet.

A little added to an ordinary bath of water produces effects similar to a costly artificial Sunlight Treatment.

Retail Price **1/6** per Packet (*Sufficient for Three Baths*).

SPECIAL OFFER.—We will willingly forward a full size 1/6 packet post free on receipt of Trade Card.

An Advertising Campaign has commenced in "The Daily Sketch," "Sunday Chronicle," "Empire News," etc., etc.

May be obtained, if desired, through your usual wholesaler.

SEND TO-DAY FOR YOUR FREE PACKET.

THE ESTOSA (Regd.) PERFUMERY CO. LTD.
89 CHEAPSIDE - - - - - LIVERPOOL.

Winter's Best Seller
which shows a handsome profit.

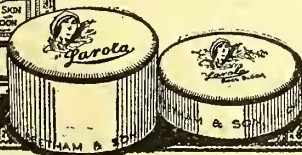
Farola

*Well advertised and sold in
all parts of the World.*

Special Display Terms
for Mixed Parcels.

Write to—

M. BEETHAM & SON
DEPT. C.D. CHELTENHAM.



A NEW PACKING
FOR

CALVERT'S
Carbolic Toilet Soap



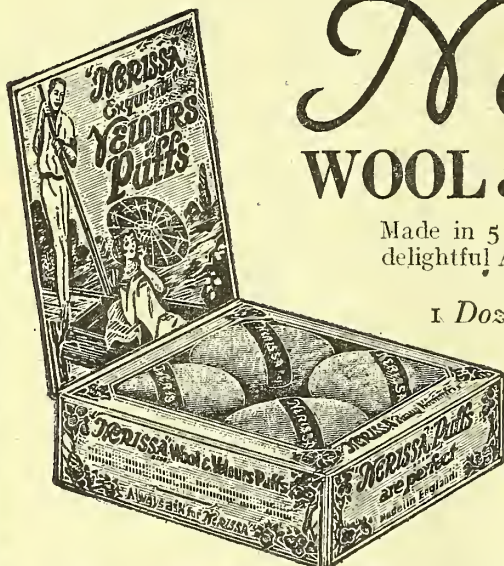
ONE DOZEN 6d. TABLETS IN
NEAT COUNTER DISPLAY BOX

List price **4/5** per box.

As the usual 3-tablet boxes (list price 13/6 per dozen boxes) will still be available, customers are requested to certify in their orders which form of packing they desire.

F. C. CALVERT & CO., MANCHESTER.

Don't fail to see these at our Stand at the **BRITISH INDUSTRIES FAIR.**



NERISSA^{Regd.}

WOOL & VELOURS PUFFS

Made in 5 sizes, 2, 2½, 3, 3½, 4 inches, in White and delightful Art Colours, each in Cellophane Envelope.

1 Doz. in Display Carton in Colours (as shown).

The GOODS are PERFECT.
The PRICE is RIGHT.
The DISPLAY SELLS THEM.

Order a trial box of 1 dozen from your Wholesale House to-day and a box of 2 dozen

Watersprite
MADE IN ENGLAND

Face Cloths at the same time. We guarantee that you will be satisfied.

SOLPORT
BROTHERS LIMITED

GOSWELL ROAD - - LONDON, E.C.1



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

MANUFACTURERS & EXPORTERS OF

TOILET BRUSHES

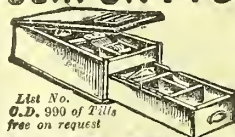
Also suppliers of HANDLES AND BRISTLES

SAKABE & CO. No. 4 Naniwacho, Kitaku
OSAKA, JAPAN.
Established 1905. Proprietor: JIRO SAKABE.

THE RELIABLE HOUSE for Puffs of every description in Down, Wool, Velour & Beaver.

POWDER PUFFS
SPENCER BROS.
MANUFACTURERS
10, 40, 50, 60, 70, 80, 100, 120

SENT ON 14 DAYS APPROVAL



upon receipt of cash or two wholesale trade references. "LITTLE BRILLIANT" TILL Improved 16 x 8½ x 6 Ins. mahogany, highly polished, lock to lid and drawer, warning bell, secret catch and check action.

32/-

List No. O.D. 990 of Tills free on request

Coils 2½ Ins. wide 4½ doz. **DUDLEY & COMPANY, LTD.** 558-576, Holloway Road, London, N.7.

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to—

75 FARRINGDON ROAD, E.C.1.

"ODENTIC" PLATE BRUSH

Regd. No. 417637.

From all Wholesalers.

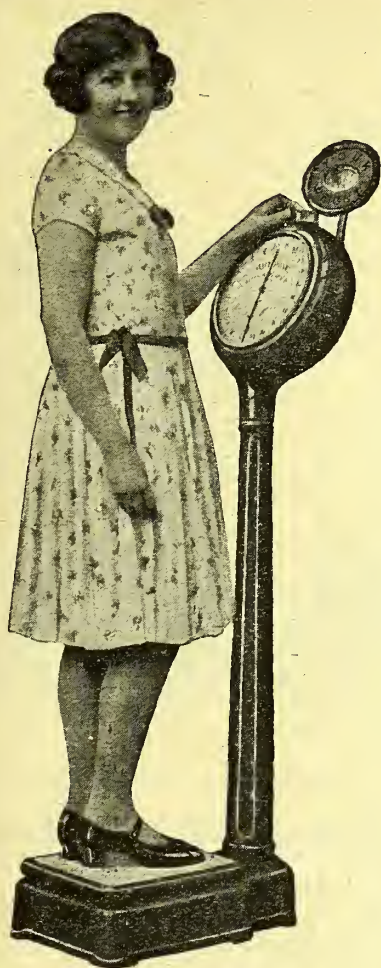
Counter Display Box with every 3 dozen.

Manufacturers:

W. R. Speer & Son

(EST. 100 YEARS)

215 DALSTON LANE - - LONDON, E.8



THE
Autoway
WAS BUILT FOR
CHEMISTS

The AUTOWAY stands 4 ft. 9 in. high
(exclusive of detachable mirror).

It is portable, weighing 100 lb. Bodywork of metal with cellulose grained mahogany finish. It has a silvered dial with engraved lettering, this being framed with a chromium-plated, untarnishable rim. The platform is in coloured mosaic.

AUTOWAY weighing capacity, 20 stone.

Every AUTOWAY is guaranteed.

PENNIES IN THE SLOT
PAY FOR
THE

Autoway

GIVEN FREE

with every **Autoway**

BAROMETER OF HEALTH

THIS
HANDSOME



**INFANT
BALANCE**

*Babies
are good
Customers*



*Please
Mothers
by weighing
their
Babies—*

*and
you will
increase
Sales.*

**NO PHARMACY IS COMPLETE
—WITHOUT THE Autoway**

Instalment Terms are made easy—Let us give you particulars

Autoway Co.

WEIGHING MACHINE MANUFACTURERS

Phone :
Cent. 59.

13 WELLINGTON STREET, GLASGOW.

Telegrams :
"Autoways."

Agents everywhere, including—

London, Liverpool, Manchester, Sheffield, Leeds, Newcastle, Leicester,
Nottingham, Northampton, Cardiff, Portsmouth, Belfast, Dublin.

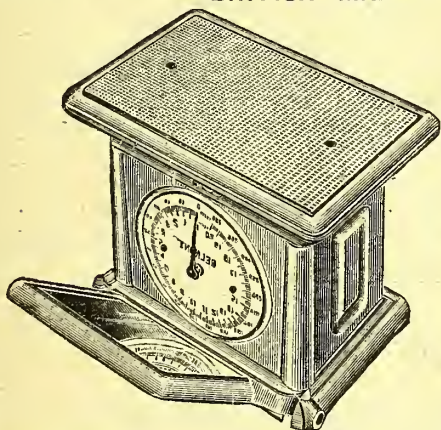
Note !

WE beg to call the attention of our customers to the fact that the manufacturers of the "MASON PEARSON" Hair Brush do not manufacture, or sell, Electric Combs of any description, neither are they connected in any way with the sale of such combs: *We are manufacturers of Brushes and nothing else !*

MASON PEARSON SELLING AGENCY LIMITED
59 New Oxford Street, London, W.C.1

THE "BELMONT"

PERSONAL WEIGHING MACHINE
BRITISH MADE



Weighs from 1 lb. to 20 stone. Automatic. No Weights required. Weight of machine 20½ lbs.

EXPORT PRICE 22/6 Cases free F.O.B. LONDON

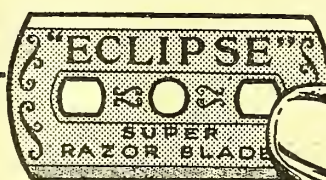
(Smallest number shipped six machines.)

This machine can be exported to ANY COUNTRY IN THE WORLD where weighing machines are admitted

ALBERT C. SHOPPEE, LTD.

(Wholesale and Export only)

Belmont Street, Chalk Farm, LONDON. N.W.1.



*Are you
stocking this
"all-British" Blade?*

"Eclipse" Blades are made in our own works right from the production of the Crucible Steel to the Finished Blade, and are therefore **BRITISH FROM START TO FINISH.**

"ECLIPSE"
(Gillette Type)
**SAFETY RAZOR
BLADES**

5
for
1/8

10
for
3/4

1 Box at £1 2 3 per box of 100 Blades
5 Boxes at £1 1 8 " " "
10 Boxes at £1 0 10 " " "

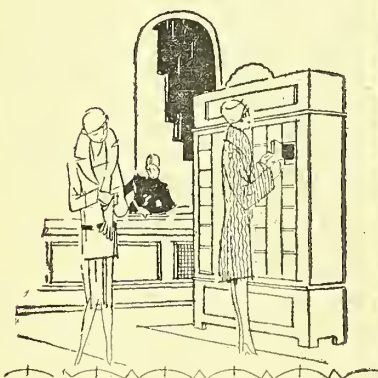
Terms: Monthly less 2½ per cent.

Carriage paid on 3 box lots and above.
Obtainable from your usual wholesaler
or direct from the actual makers:

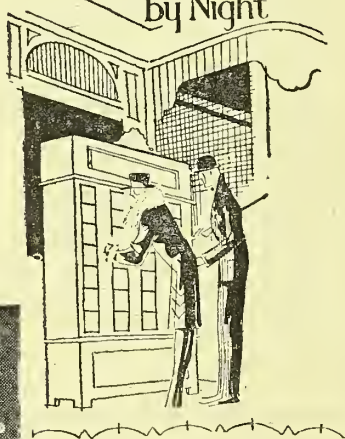
JAMES NEILL & CO. (Sheffield), LTD.,
Steel Manufacturers, Napier St., SHEFFIELD.

Quicker Sales by Day Extra Sales by Night

Inside
by Day



Outside
by Night



AUTO-DORE, the new automatic vending machine, gives you a non-stop 24 hours working day without a mistake—selling anything, at any price, at any time automatically.

The machine consists of a series of illuminated glass-fronted cupboards to hold all commodities such as Drugs and Medicines of all kinds whether boxed or wrapped or not. Perfumes, Powders, Toilet Requisites, Razor Blades, Tooth Brushes, First Aid Materials, etc. Your customers can see at a glance what they want, put in a coin, and help themselves.

It cuts your selling expense and increases your turnover, making cash registers unnecessary and relieving assistants of monetary responsibility.

Selling in your shop by day AUTO-DORE saves waiting during rush hours, and enables you with fewer assistants to serve more customers. It will occupy space for which you pay but cannot otherwise use with profit. Easily portable, it can be placed outside your shop to supply "forgotten needs" after closing time and in 'prohibited hours.'

The AUTO-DORE is compact, robust and foolproof. Models are made to suit all trades. Machines can be bought outright or on attractive rental terms. Orders are executed in strict rotation.

Be the first to instal the AUTO-DORE and gain a profitable lead over your competitors. Send for full particulars to-day.

AUTO-DORE

The Automatic Salesman

AUTO-DORE LTD., Temporary Sales Office, 439-441, OXFORD STREET, London, W.1





Actual size of the
new carton for

Glossettes
REGD.

the beautifully formed glossy pellets that
keep perfectly in tin OR CARTON.

Costs - 1 ¹/₂ D. — or less
on "best terms"

Sells for 3 D. — contains
half an ounce

Beautifully executed window show-screen—full of
"force," and a special miniature screen for the
counter available—plus 10/6 payment for display.

Send a post-card NOW for details.

ERNEST JACKSON & CO. LTD

LONDON DEPOT
Plantain Place.
Crosby Row.
Boro. S.E.
Phone. HOP. 2668.

MANUFACTURING CHEMISTS
Makers of Lozenges, Pastilles & Compressed Tablets
CREDITON. DEVON.

Telephone
CREDITON 10
Telegrams
JACKSON, CREDITON

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
CHEMICALS FOR ALL INDUSTRIES.

'Phone: Central 4613. Tel. Add.: "Levermore, Phone, London."
A. LEVERMORE & CO. LTD. ABC Codes
410 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.



JOHN BELL, HILLS & LUCAS LTD.

OXFORD WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1.

130 years' reputation for purity and excellence.
Pharmaceutical preparations, Drugs and Chemicals of high quality.
Packed Goods of elegant finish and Choice of many styles.
Specialists in compounding and packing customers' private formulas.
Price List on application Telephone: Bermondsey 1141

"Wimaco" Specialities, British and Best.

MONARCH SEAL QUININE PESSARIES—Full Strength Guaranteed.

INSIST ON WIMACO MONARCH SEAL BRAND (Regd.). THERE IS NO SUBSTITUTE FOR WIMACO.
WINCHESTER MANUFACTURING CO., LTD., ISLEWORTH, MIDDLESEX

FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL.: ROYAL 5094.

GUMS, ARABIC and TRAGACANTH as Imported or
Finely Powdered. :: SHELLACS ALL GRADES.

"YEAST FOR VITAMIN B."

Yeast specially prepared for medicinal
purposes.

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.

OLIVE OIL

Producers—CHAFFARD & COUDERC,
MARSEILLES (France).

Sole distributors for Australia:

WILLMOTT, PRISK & CO., LTD.

ADELAIDE: 134 Grenfell Street; SYDNEY: 379 Kent Street;
MELBOURNE: 37 Swanton Street.

"DEPENDABLE TOBACCO WHOLESALEERS."

MIXED PARCELS A SPECIALITY
Established Fifty Years.
Price Lists mailed on request.
A PROFITABLE SIDE LINE
FOR CHEMISTS.

SINGLETON & COLE, LTD., CANNON ST., BIRMINGHAM

THE SPEEDY D. & P. SERVICE

PROPRIETOR, C. T. HINES, Ph.C., M.P.S.

All orders received by the mid-day post for Developing,
Printing and Enlarging despatched same day.
Local Collection and Delivery, CITY.

Posters, Specimens, Labels, Duplicating Order Books, FREE.
57 GREAT PRESCOTT STREET, E.1

CHEMISTS' SHOP FITTINGS

First-class Material and Workmanship.

Also SECOND-HAND FITTINGS—varied range.

RUDDUCK & CO. 219 OLD ST., LONDON, E.C.1

BUY PROFITABLE LINES!!

Cost £2:9:0 — Returns £4:0:0

SPECIAL

FOR

THIS **£2:9:0**

WEEK

Nett Cash.
Carriage Paid.

PROMPT DESPATCH.

Send for Price List (C)—Gillette, Auto Valet,
Ever Ready, Kirbee, etc., Blades and Razors.

DOUGLAS KIRBY & CO.
ST. JOHN'S WORKS, GLOUCESTER.

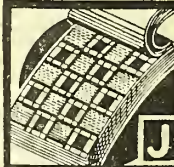
'Phone: 3113.

'Grams: "Kirbee, Gloucester."

Bankers: Midland Bank Ltd., Gloucester.

GILLETTE BLADES
20 pkts. of 5's
AUTO VALET BLADES
6 pkts. of 5's
EVER READY BLADES
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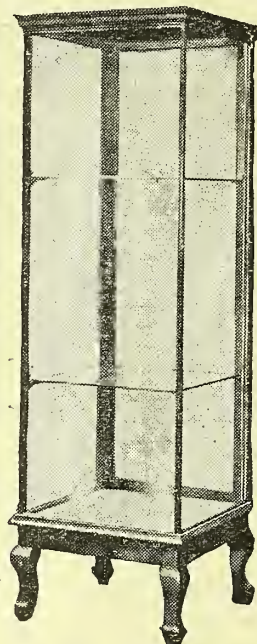
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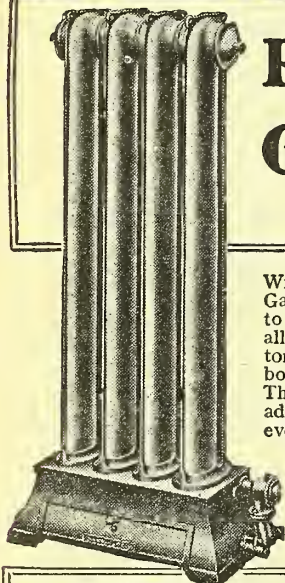
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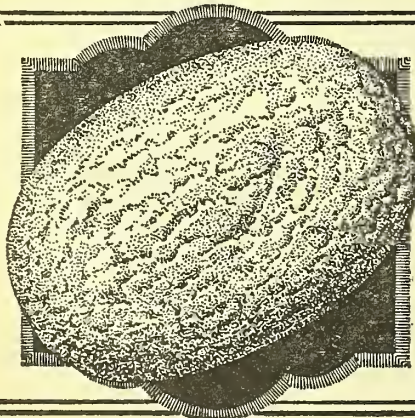
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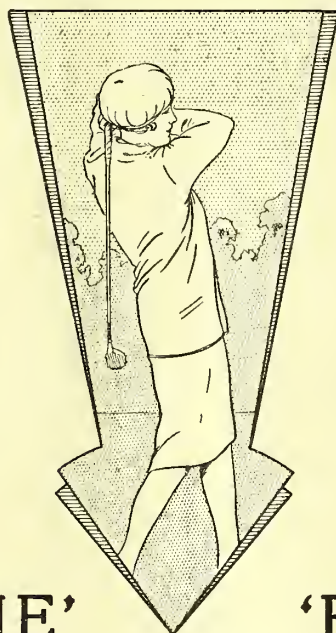
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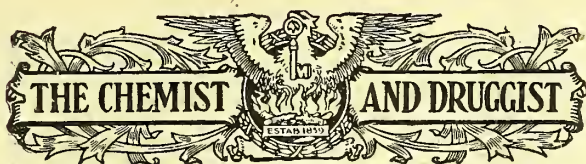
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Revised Cards

THE coming into force of the Shops (Hours of Closing) Act, 1928, has necessitated a revision of the C. & D. card originally prepared in 1912 for exhibition in pharmacies after closing hours. The revised card, measuring 14 in. by 10½ in., contains on one side the prescribed notice, and on the other side the relevant provisions of both Acts so far as they affect the business of a chemist and druggist. Two cards are required for each shop. Cards may be obtained from the Subscription Department of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4, price 1s. each, three cards for 2s. 9d., post free in either case.

The C. & D. Poisons Card No. 2, containing the extended list of poisons, has also been revised in accordance with recent changes in statutory requirements, and is on sale at 1s. each, or three for 2s. 9d., post free in either case.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Safeguarding of Key Industries

A representation has been made to the Board of Trade under Section 10 (5) of the Finance Act, 1926, regarding the exemption of para-phenetidine from Key Industry duty. Any communication on the matter should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1.

Licence Renewal Refused

The application for the renewal of a licence by the Russell-Hart Co., Ltd., an employment agency in Henrietta Street, Strand, London, W.C. (C. & D., January 5, p. 2), was refused on January 14 by the Public Control Committee of the London County Council. Among the witnesses called was Mr. Thomas Russell, the advertising consultant, who said he severed his active connection with the Russell-Hart School of Advertising not later than June 1, 1927, but retained a directorship until August 29, 1928. He objected to the school continuing to use a signature which purported to be his on the diplomas awarded to students. Sir Henry Curtis-Bennett said the company had had to sit down under the use of such terms as "fraud" and "fraudulent," which were not justified by the evidence. It was easy to bring forward a few discontented people. The company never had guaranteed to get a student a job. Of the people who took the course, 76 per cent. never applied to the employment bureau. Witnesses called by the applicants expressed their satisfaction at the tuition received at the Russell-Hart School, and described positions which they had obtained. Mr. William L. Ivey, director and appointments manager of the company, said the names of over 2,200 firms appeared on the books of the company as having either applied for or being supplied with Russell-trained men. These included Harrods, Kodak, Pears and Marconi. A bulletin giving details of persons seeking employment was sent to between 1,100 and 1,200 employers almost every month. Between 1927 and 1928 9,513 persons inquired for particulars of the course and 1,874 were accepted as students. Of these 998 gained diplomas. He knew of 424 students gaining positions during this period. The company had been licensed as an employment agency for ten years.

Inquests

Called to give evidence at a recent inquest at Wirksworth, Mr. R. G. Hindle, chemist and druggist, Market Place, asked why he had been summoned. The coroner replied that he had power to call anyone who might throw light on the cause of death. On Mr. Hindle remarking that if he had known that any legal question would arise he would have been legally represented, the coroner offered to adjourn the inquiry, but the offer was declined. The inquest had reference to the death of a woman who had been in the habit of procuring chlorodyne from Mr. Hindle, who pointed out to the coroner that it did not contain the percentage of morphine necessary to bring it under the Dangerous Drugs Acts. He generally supplied the woman with fourpennyworth at a time. The coroner found that death was due to accidental suffocation following a fainting fit.

The West Ham coroner concluded, on January 15 an inquiry into the circumstances of the death of Arthur L. Bull, an assistant employed in the research department at Woolwich Arsenal. Dr. E. W. Grogono said that death resulted from cerebral hæmorrhage, which seldom attacked persons so young as the deceased. He had had symptoms compatible with poisoning. Mr. Godfrey Plotter, D.Sc., director of explosive research at Woolwich Arsenal, said that the deceased went into the laboratory three months ago. His duties involved the handling of poisons, but not more than any other employee. So far as witness knew, the only material used by the deceased and other workers which had an effect on them was cordite. Its action was due to nitroglycerin, which was one of its prime ingredients. Witness had never heard

of a death due to handling the material, and his inquiries revealed that no death had ever resulted from the handling of nitroglycerin. The Coroner: It might be introduced through the skin?—Yes. Mr. John N. Pring, D.Sc., director of explosives at the Arsenal, said that the deceased had never made any complaint. Dr. R. F. L. Hewlett, pathologist at Queen Mary's Hospital for the East End, said he had made microscopical examinations, and he found evidences to support the view that the man died from some chemical poison, possibly allied to the benzol or benzene group. Nitroglycerin gave off poisonous fumes like benzol. He would not expect the same form of poisoning from nitroglycerin as from benzol. The coroner recorded a verdict that death was due to cerebral hæmorrhage accelerated by coming in contact with some poison allied to nitroglycerin, and that the death was due to misadventure.

The West London coroner held an inquiry, on January 11, concerning the death of Mr. G. E. G. FitzGibbon, of Southern Rhodesia, who died at the Duchess Nursing Home, Beaumont Street, W.1. Grace Tuck, a trained nurse at the home, said that about five hours after an operation the patient gave a slight gurgle and a gasp. The assistant surgeon was called and found him dead. She was shown a prescription by the coroner and said that this referred to a mixture of paraldehyde and olive oil to give the patient before he underwent the operation. When she came on duty she was instructed by another nurse to give injections of this mixture, of which there was over nine ounces in a jug. When she had finished the injections there was over an ounce left in the jug. Helen McNeillie, another nurse at the home, stated that when she took charge of the case the night nurse handed her the prescription for nine drachms of paraldehyde and five drachms of olive oil. She stated that she made a carbon copy and sent it to the chemist to be made up. Shown a slip of paper, she identified it as in her handwriting, and said that it was for nine ounces of paraldehyde and five ounces of olive oil. The Coroner: Don't you know the symbols for ounces and drachms?—Yes. Why did you write nine ounces?—I am afraid I cannot account for that. She added that she first discovered the mistake the day after the operation, and immediately reported the matter to the matron. She had been a qualified nurse since 1916, and had been at the nursing home for six years. Replying to the coroner, she said that they never sent original prescriptions to the chemist. Mr. William E. Cook, chemist and druggist, of Beaumont Street, said that he treated the document he received from the home as an order, not as a prescription. Dr. R. M. Brontë stated that the cause of death was coma and asphyxia due to paraldehyde poisoning. The coroner, recording a verdict of "Death by misadventure," said that paraldehyde was a useful drug, and was not regarded as a poison under the Pharmacy Act or the Dangerous Drugs Act. In this case a mistake had been made by one of the nurses. It was an unfortunate error, although he could not quite call it carelessness. It was a mistake humanity was liable to.

Contracts

The following tenders have been accepted by the bodies named:

Oakham Guardians.—Mr. J. P. Wellington, chemist and druggist, drugs, etc.

War Office.—Gillette Safety Razor, Ltd., razors.

Liverpool

A lady inspector of the Pharmaceutical Society has been round inspecting certificates. The work is now done much more thoroughly and more pleasantly than years ago, chemists realising what it means to them.

Though Liverpool and district have not yet experienced a severe visitation of the dread "flu," people, according to a city chemist, "are anticipating things, for there is an increasing demand for cough and cold remedies." Another local chemist, referring to the state of trade, said: "I don't know whether any promises were made for the New Year, but if so, they have not yet been fulfilled. Business is quiet."

Manchester

A meeting of the Manchester and District Pharmacy Club will be held at the Clydesdale Club, Turner Street (High Street), at 8.30 p.m., on January 23. Everybody interested in pharmacy is urged by Mr. A. E. Thorpe, the honorary secretary, to attend.

A correspondent (16/1) sends the following note on the late Mr. J. W. Gill, Ph.C., Pendleton, whose death was announced in our issue of January 12:—"For the past twenty-five years Mr. Gill had with him his son-in-law, Mr. Harry Stout, who on Mr. Gill's retirement took over the control of the business. Mr. Gill was one of the pioneers in connection with the Salford Pharmaceutical Association, and filled the office of president. He was also a member of the Salford Pharmaceutical Committee (for ten years its chairman) and of the Salford Insurance Committee. For many years he was a member of the Manchester Pharmaceutical Association. His ripe experience was always at the disposal of his brother pharmacists. Mr. Gill was an active worker at Hope Chapel, Liverpool Street, Salford. In this he was carrying on a family tradition, for his uncle, the Rev. J. Gill, was well known for his work as a missionary in Africa. Mr. Gill was greatly honoured by all classes of the community and will be mourned by a very large circle of friends. The funeral took place at Weaste Cemetery on December 28. Among those who attended were Messrs. E. H. Simmons and W. F. Cuttford, representing the Salford Association."

Sheffield

Georges (Sheffield), Ltd., chemists, have taken the premises recently occupied by Mr. Dyson, chemist and druggist, at the Walkley car terminus. They exhibit a notice to say that no unqualified assistants are employed.

The business in Broomhall Street opened by Mr. C. H. Bradwell, chemist and druggist, and recently carried on by Mr. J. A. George, chemist and druggist, has been sold, and is now conducted under the style of the Evelylin Pharmacy.

Mr. A. Russel Fox, who has for a large number of years been connected with William Fox & Sons (Sheffield), Ltd., chemists, Castle Street, and is a grandson of the founder, has commenced business on his own account at 25 Change Alley.

According to the "Sheffield Telegraph," several leading chemists have had to disappoint would-be purchasers of calcium lactate tablets through a large demand for the treatment of chilblains. One correspondent complains that the price has increased with the popular demand from 1s. 4d. to 1s. 8d. per 100.

Miscellaneous

POISON-LICENCE APPLICATIONS.—Margate Town Council have granted licences under Section 2 of the Poisons and Pharmacy Act, 1908, to Mr. H. Downer and Mr. B. G. Goodburn.—An application for a similar licence has been made to the Wallasey Town Council by the Protoid Co., Ltd., Seacombe.

FIRES.—The following outbreaks of fire have been recorded since our last report:—Owing to a light being thrown down, there was an outbreak of fire recently on the premises of Arthur Berton, Ltd., surgical dressing manufacturers, 124 to 134 City Road, London, E.C. The outbreak was confined to the boiler room in the basement, where the damage was slight.—There was a slight outbreak of fire recently on the premises occupied by Mr. S. G. Constance, Ph.C., Elizabeth Street, London, S.W.

IN THE COURTS.—At Blackburn, on January 8, Thomas Hogan (40), general dealer, was sent to prison for a month for stealing a mould, worth £5 10s., belonging to H. J. Wade & Co., Ltd., manufacturing chemists. It was stated that the accused told Mr. Arthur Taylor, chemist and druggist, Bolton Road, he had got the mould in some scrap.—At Tynemouth, on January 15, Edward Harvey (36), described as a chemist's assistant, was committed for trial on a charge of having obtained 6s. 6d. by means of a false pretence. It was stated that he obtained this money by posing as "Dr. Morse," of Tynemouth Infirmary, and charging for a certificate.

Scottish News

Brevities

Damage estimated at £11,000 was caused by a fire on January 8 at the mills of Plasmon, Ltd., Forres.

Large shipments of jute are now arriving, and the Dundee mills should be kept busy for some time to come. Chemists hope to share in the general prosperity.

Influenza continues throughout Glasgow, and the citizens are being advised to avoid crowded and badly-ventilated meeting places. A local newspaper advises various prophylactic measures.

"Trade prospects in Aberdeen are very promising for the New Year," writes a correspondent. "The granite industry and the fishing trade are both in a prosperous condition, and chemists are hoping for increased business."

At a meeting of Inverness Burgh Insurance Committee, Dr. E. Kerr said it had long been a vexed question between the public and chemists as to whether the quality of drugs and appliances supplied to insured persons was up to the standard, and it was an excellent thing that provision had been made by analysis whereby the public could be assured that insured persons were receiving exactly the same drugs and appliances as a doctor's ordinary patient. "We doctors," declared Dr. Kerr, "have always considered that chemists do not supply insured persons with articles of inferior quality."

Irish News

Brevities

In connection with the municipal elections in Northern Ireland, Mr. Samuel McLoughlin, Ph.C., whose nomination for Duncairn ward, Belfast, has been reported, was ultimately given a walk-over, the paper of his opponent having been disqualified. Mr. Robert Hastings also got a walk-over in Newcastle, co. Down.

Dr. Greene (resident medical superintendent) reported to a recent meeting of the Carlow Mental Hospital Committee that one of the attendants administered some carbolic lotion instead of a mixture to a patient. The patient was at once attended to, and fortunately suffered no ill effects. The doctor had had a cupboard specially fitted for storing the poisons, and the medicines were kept in another room totally apart. The bottle of carbolic lotion has three labels on it marked "poison." As a result of the accident the good service pay of one attendant was reduced, and that of a second deferred for a year.

An inquest was held recently at Dun Laoghaire on the body of James Walsh, a civil servant. Mr. W. Harvey, brother-in-law of the deceased, said he was in the habit of taking chlorodyne, but was cured of it; latterly he took it in moderation. Sergeant Lydon said that the manager of Hayes, Conyngham & Robinson, Ltd., informed him that the widow of the deceased bought some chlorodyne from him about two weeks ago. Later the deceased called for more, but he was not supplied, and the manager issued instructions to the other branches not to supply him. The coroner said that in his small district it was not the first occasion in a very short period that it had been necessary to hold an inquest under similar circumstances. It was about time that the sale of chlorodyne and other drugs was brought to the notice of the responsible authorities, and that efforts were made to check it. A verdict of "Death from diabetic coma" was returned.

Belfast

The chemical department of the Belfast Corporation Gasworks now manufactures lysol, sheep dip, carbolic acids, carbolic powder, arsenical weed-killer, liquid ammonia, sulphate of ammonia, and other chemicals.

The Belfast Chamber of Trade has appointed Mr. W. J. Hardy, president of the Pharmaceutical Society of Northern Ireland, as a member of a committee to investigate the early closing question in relation to mixed shops.

Proprietary Articles Trade Association

THE quarterly meeting of the P.A.T.A. Council was held on January 10, at the Hotel Russell, the president (Mr. Alfred Higgs) in the chair.

The president said that, as they were aware, their old friend Mr. Feaver Clarke had withdrawn from the Council. Mr. Feaver Clarke had written expressing a natural regret at the severance of his long connection with the Council, and emphasising how greatly he had appreciated and enjoyed this association. The president then moved that:—"The thanks of the Council, here assembled, are extended to Mr. Feaver Clarke for his long and valued services to the Council and the Association. They desire to assure him of the affection and esteem in which he is held, and to express the hope that he may long be spared to enjoy his retirement." The resolution was carried unanimously. The president, on behalf of the Council, extended a welcome to the new member, Mr. E. H. Simmons.

EXECUTIVE COMMITTEE'S REPORT.—The Council then considered the report of the Executive Committee. It was reported that the appeal sent to all members of the Association asking for their support of the Glyn-Jones Memorial Fund had produced (from P.A.T.A. members alone) nearly £1,000. The Executive Committee remitted to the three sections of the Council, for consideration, the following resolution, passed by the Manchester Branch of the Retail Pharmacists' Union:—"That every manufacturer of an article or preparation on the P.A.T.A. shall affix on that article, in a prominent position, a label or notice that the article or preparation shall not be sold under the P.A.T.A. published price." The general consensus of opinion is that the adoption of such a system would not be in the interests of the Association. The report also dealt with the unsatisfactory position in regard to profits on certain proprietary articles; the inclusion in the protected list of branded drugs; the supply of P.A.T.A. goods by wholesale; and applications in connection with the list of protected articles. The report was adopted.

IRISH REPRESENTATION.—The question of Irish representation on the retail section of the Council was discussed. The Council instructed the secretary to take certain action.

ELECTION OF PRESIDENT.—The Council then proceeded with the election of officers for 1929. The nomination of Mr. A. Ridout (see p. 66) as president was proposed by Dr. Pilley. The nomination was seconded by Mr. F. J. Smith, supported by Mr. Milner, and carried unanimously. Mr. Ridout took the chair, and thanked the Council for the honour conferred upon him.

TRIBUTE TO RETIRING PRESIDENT.—The new president paid tribute to the services rendered to the Association by the outgoing president, Mr. Higgs, during his year of office. Mr. Higgs had expended immeasurable energy, had been active in the country as well as in London, and the Association were indebted to him for the whole-hearted way in which he had carried out his duties of office. Mr. Ridout proposed that a very hearty vote of thanks be accorded to Mr. Higgs for his services. This was seconded by Mr. Keall, supported by Mr. Watson, Dr. Barnes and Dr. Coull, and unanimously adopted by the Council. Mr. Higgs, in acknowledging the motion, said that his one aim was to promote the interests of the P.A.T.A.

ELECTION OF OTHER OFFICERS.—The Council elected the following officers:—Vice-Presidents: Dr. J. Pilley (manufacturers), Mr. S. Watson (wholesale), and Mr. J. Milner (retail). Mr. F. J. Smith was re-elected chairman of the wholesale section. Treasurer: Mr. A. T. Webb (May, Roberts & Co., Ltd.). Executive Committee: The president, the vice-presidents, the treasurer and the following:—Messrs. Birks (Raines & Co.), A. Higgs, G. R. Hunt (Steedman & Co.), J. Keall, C. H. Ratchiffe (A. J. White, Ltd.), P. F. Rowsell, F. J. Smith (Sangers), A. Tyler (Parke, Davis & Co.).

EXTENSION.—Beatson, Clark & Co., Ltd., Rotherham, have purchased premises at Stairfoot for use as additional glassworks.

Legal Reports

Interlocutory injunction Granted.—In the Chancery Division of the High Court, Belfast, on January 14, before Mr. Justice Wilson, Mr. Hume, B.L., applied on behalf of Aspro, Ltd., Slough, for an interlocutory injunction against the Desmond Manufacturing Co., Queen's Square, Belfast, to restrain them for using the word "Aspro" in connection with articles or goods advertised or sold by them so as to induce people to believe that such goods or articles were manufactured by the plaintiffs. Counsel explained that there was no appearance for defendants, and that his lordship had granted an interim injunction on the last day of last term. Counsel read an affidavit sworn by Ernest Henry Neale, of Slough Trading Estate, Bucks, secretary of the plaintiff company, which stated that the defendants carried on business in Belfast. The plaintiffs' preparation was put on the market under the name of Aspro about nine years ago by the original proprietors, who were an Australian firm, and the word "Aspro" was registered on July 5, 1920, by the said firm (Geo. N. Nicholas & Co.) as a trade mark under the Trade Mark Acts, 1905 to 1919. It had come to the knowledge of the plaintiffs that the defendants were advertising and selling a preparation for the relief of headache and similar disorders under the name of Aspro and Aspro Powders so as to induce any persons purchasing the same to believe that they are purchasing the preparations of the plaintiffs. Plaintiffs' solicitors wrote on December 4, 1928, to the defendants requiring them to discontinue the use of the word "Aspro." No reply to it was received, and it was returned as undelivered. Counsel submitted that there was a clear infringement and an attempt by the defendants to palm off their powders as the powders of the plaintiffs. Mr. Justice Wilson granted the interlocutory injunction pending the hearing of the action.

Manufacturers' Appeal Fails.—A King's Bench Divisional Court, consisting of Justices Shearman and Acton, heard, on January 16, the appeal of Smith, Hughes & Co., Ltd., chemical manufacturers, College Hill, London, E.C., from a judgment given by Judge Moore at Southwark County Court in a claim brought against them by Mr. John Simons, baking-powder manufacturer, Leroy Street, S.E. (*C. & D.*, October 27, 1928, p. 510). Sir Walter Schwabe, K.C., for the appellants, said he was asking for a new trial on the ground that the hearing was unsatisfactory, and also because new evidence had emerged since. It was a claim by the plaintiff for damages for breach of contract over the sale of a ton of acid calcium phosphate, which it was said the defendants expressly warranted to be of the nature, substance and quality of the article demanded, and to comply with the Sale of Food and Drugs Acts, and other statutory requirements. It was alleged that by reason of its containing an excessive amount of arsenic it was not as warranted. Plaintiff said that this acid calcium phosphate sold to him was used by him in the manufacture of baking powder, the other ingredients used being one-third each of carbonate of soda and rice flour, and as the result of the excessive arsenic in the baking powder the grocer to whom he sold it was convicted. The plaintiff paid the fine and the cost of defending, and he claimed damages from Messrs. Smith, Hughes & Co. in respect of that, and also for having to destroy the remainder of the acid calcium phosphate. Plaintiff was awarded £70 odd by the County Court judge. Mr. Justice Shearman: I cannot see there is any point of law in this case. It looks like the purest question of fact for the judge to consider. We cannot retry the case here. Sir W. Schwabe: I submit that the judge was wrong in law in admitting certain evidence in regard to samples. There was no evidence that that sample came from our acid calcium phosphate. We say there was concealed from the Court the fact that the plaintiff used an entirely different admixture for the purpose of producing this baking powder and that the judge was wrong in the facts upon which he based his findings. Continuing, counsel said that after the trial Smith, Hughes & Co. obtained a further analysis for the purpose of making a claim against a third party, and the result showed that the formula upon which

the judge based his judgment was hopelessly wrong. They therefore applied to the judge for a new trial at which evidence of that further analysis could be given, but the judge refused the application. Mr. Fox Andrews, for the respondent, contended that the judge dealt with the request for a new trial upon its merits. The judge looked at the analysis, which was the only thing which it was sought to put before him, and he then declined to grant a further trial. Counsel submitted that the evidence which the appellants wanted to call was, in fact, available at the trial itself, and they could have applied then for an adjournment of the hearing in order that a further analysis might be obtained. Sir W. Schwabe: We went into court never having had any sample of the baking powder because we had been told it had been destroyed. At the time the evidence came out that the baking powder still existed and could therefore be analysed there was nothing to convey to a reasonable mind that the evidence of the plaintiff's formula was wrong. Giving judgment, Mr. Justice Shearman said that although the defendants asserted that the excessive arsenic did not come from their acid phosphate, there was evidence before him upon which the judge was entitled to find for the plaintiff, and no question of law arose upon which his decision could be upset. With regard to the application to the judge for a new trial, his lordship thought the judge took the view that even if he heard this new evidence his decision on the case would have been the same. His lordship also was not satisfied that this new evidence was not available at the time of the original trial. He was therefore not satisfied that the County Court judge misdirected himself in refusing a new trial. Mr. Justice Acton agreed. The defendants' appeal was therefore dismissed with costs. Leave to appeal further was refused.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

C.M.C., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of confectionery and jelly manufacturers, drysalters, importers, exporters, etc. The subscribers are: G. F. White and A. E. Kent. Solicitors: Martindale Clark & Co., 23-4 Wormwood Street, E.C.

CELLATE, LTD. (P.C.).—Capital £60,000. Objects: To carry on the business of manufacturers, merchants and agents for cellulose goods of all kinds, including cellulose film for cigarette tips and other purposes, etc. The subscribers are: C. W. Stanley Temple and W. T. Robins. Secretary: C. W. S. Temple. R.O.: 9 and 10 Pancras Lane, E.C.4.

WATERALL & EBERLIN, LTD. (P.C.).—Capital £3,000. Objects: To acquire the business formerly carried on by A. Eberlin as "Waterall & Eberlin" at 2 Chapel Bar, Nottingham, and to carry on the business of chemists and druggists, perfumers, opticians, etc. The subscribers are: A. Eberlin, Mrs. A. C. Eberlin and A. E. Eberlin. Secretary: F. N. Lawrence, The Limes, Cosgrave, Notts.

SANGERS, LTD., has been formed with an authorised capital of £500,000 to acquire the business and assets. The capital is divided into £250,000 seven-and-a-half per cent. cumulative preference shares of £1 each and 1,000,000 ordinary shares of 5s. The whole of the preference are offered for subscription at par, and 125,000 ordinary shares at 2s. premium. The balance of the ordinary shares (875,000) is being subscribed at 2s. per share premium by the immediate vendors. The net assets are certified at £266,892, and, adding the proceeds of the present issue (after making all necessary deductions, including preliminary expenses), the total estimated net assets amount to £291,892. The purchase price has been fixed at £579,558, which includes £275,000 for goodwill. Profits are shown for the five years ended March 31, 1928 (as from which date the new company acquires the business); the average for the period is £70,587.

Borrowing from a Banker

By Chandos Bidwell, M.I.B.

ONLY to the banker should the established chemist go to borrow money. Enough has been said of professional money-lenders in the daily Press to warn the trader against their nefarious practices. And I would add a caution against making financial compacts with friends and relatives. It is seldom possible—without friction damaging to friendship—to conduct such loans on the thoroughly businesslike footing which is essential in all financial matters.

The fundamental tests should be applied to any project which the chemist intends to conduct on borrowed capital. First, it must be apparent that he is allowing money to pass his door to swell his competitors' banking accounts. Speculation as a business policy does not pay. Before attempting to borrow, business men should feel that they must have the capital which will enable them to turn that current of pounds, shillings and pence into their own pockets. Definite knowledge, the product of analysis and sound deduction, is the only sure ground on which to build from other people's money. Secondly, the chemist must be absolutely certain that he will be able to repay out of business income any advance which he may take up for business purposes. He cannot afford to dig deep into reserves; and his credit status will suffer if he has to realise securities or call on a guarantor. Plainly visible return must be such as to show a handsome profit over the 5½ or 6 per cent. which the banker will charge for the use of the money and the slight risk of loss which is ever-present.

Almost every trader finds, sooner or later, some good use for bank money. Most common is that of extension of premises, and bankers are generally willing to make an advance for this purpose when the business is palpably going ahead. Bankers will normally put up a reasonable proportion of capital required to open a branch shop when the main establishment is showing satisfactory returns. And a chemist who sells a business in which he has made goodwill usually finds the banker willing to provide additional funds if he wishes to purchase a larger one. Purchase of property, investment for quick resale, periods of temporary shortage of cash, improvement of fittings—these are a few of the causes to which the banker responds by granting applications for advances.

HOW TO APPROACH THE BANK MANAGER

Generally accepted forms of security are consistent stocks and shares, first mortgages, title deeds, good life policies, bills of sale, and guarantees by persons of unquestionable financial standing. It is essential that the chemist should come to the bank manager's private room with a well-prepared argument to convince him that his money will be in businesslike, productive hands. Should extension of the existing business be the use to which the money is to be put, profit-and-loss and balance sheets for the last five years should be produced showing progress made; they will also convey to the banker, well versed in such statements, points at which benefit will accrue when the proposed additions are completed. If an extension has been made before, its results should be pointed out, together with any factor—permanent or temporary—which might reasonably be expected to impress the banker with the chemist's ability to multiply the borrowed talents. If contemplating opening a new business in a fresh quarter, a few statistics as to the population and nature of the district to be covered, the number of competing businesses and a comparison of their methods with those to be employed may help to make up the banker's mind. Managers like to feel that the money they control is being handled by those who are—in addition to being good pharmacists and salesmen—first-class business men.

Then arises the question—fixed loan or fluctuating overdraft? By the former method, a fixed amount of money is transferred to the pharmacist's account, interest only being charged on that total—no commission—so long as a reasonable balance is maintained on the current account. Exactly what constitutes a reasonable balance depends on the amount of work involved in keeping the

account. A credit balance of, say, £200 to £250 on the average chemist's account is not normally charged. Borrowers who have a fixed loan always know exactly how much will be debited to their accounts half-yearly, and the exact knowledge of the extent of their indebtedness acts as an ever-present urge to diminishing that figure. By reason of the facility for repaying the fixed loan, literally out of income, I generally recommend its use for trade purposes, except where violent fluctuations in the amount of money required are likely to occur, or when the borrower cannot tell, within £100, how much he will need. It is easy to instruct the banker to transfer to loan account, say, £15 a month, debiting current or drawing account; thus a steady reduction of debt is accomplished, and provision is readily made for such a regularly anticipated call. Overdrafts with a fixed limit, have their advantages. Interest is charged only on the daily balance, so that a low balance over the week-end, for example, may save the chemist money. These "mickles" tell up. Gradual repayment is made more difficult, however, and the tendency is to keep up to the limit of overdraft rather than to reduce the debit balance steadily.

COST OF AN ADVANCE

While the bank rate stands at 4½ per cent., as now, chemists should be able to obtain money from their bankers at 5½ per cent. Unless they press for this rate, they may be charged 6 per cent., and will certainly not obtain a loan cheaper if their security is short of first-class. There may be other lesser costs in connection with search fees and registration of deeds, assignment of life policies, signing guarantees, and so on. But these are nominal and non-recurrent. Scales of commission vary in different banks. Amount of ledger space used is generally the basis of charge—in conjunction, of course, with the value of the accommodation afforded. An advance being obtained, the chemist does well to send a copy of his profit-and-loss account and balance-sheet to the banker yearly, to strain every nerve to reduce and to ratify his obligation, to refrain from exceeding the arrangements made, and to scrutinise the pass-book frequently, that the banker may know he is in touch with his affairs. Handling other people's money involves the need for redoubled care in spending only for satisfactory return, and in renewed effort to increase gross profit. Traders who combine these achievements will eliminate the possibility of their borrowed money becoming a cumulative burden, and will establish themselves as sound business men

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, January 22

North London Pharmaceutical Association, North Library, Manor Gardens, Holloway Road, at 8.30 p.m. Mr. H. N. Linstead on "Desirable Alterations in the Poisons and Pharmacy Acts."

Wednesday, January 23

Dundee Chemists' Association, Kidd's Rooms, Lindsey Street, at 6.30 p.m. Annual whist drive and dance. Tickets 7s. 6d. each. Edinburgh and District Chemists' Trade Association, Ferguson & Forrester's Restaurant, 129 Princes Street, at 7 p.m. Annual Burns dinner. Tickets 9s. 6d. each. Ladies specially invited.

Thursday, January 24

Western Pharmacists' Association, Portman Rooms, Baker Street, London, W.1. (entrance Dorset Street), from 8 till 12 p.m. Dance (separate room for whist). Tickets 6s. 6d. each.

Gazette

Partnership Dissolved

ARMSTRONG, W. H., HAYNES, J., and CHAPMAN, W. H., jun., 30 Prescott Road, Knotty Ash, Liverpool, chemists' sundries manufacturers, under the style of Armay & Co., so far as concerns W. H. Chapman, jun.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on January 8, Mr. F. J. Fitzpatrick (president) in the chair. The following members of the Council were also present:—Mr. Denis J. Nugent (vice-president), Dr. Michael Ryan (treasurer), Dr. J. A. Walsh, Sir Thomas Robinson, Messrs. John Smith, J. J. R. Kerr, James McCormack, Patrick Brooke Kelly, Mr. J. Kieran, P. D. Larkin, T. J. Doyle, P. A. Brady, and J. J. Roche.

Dr. J. A. Mitchell, Messrs. P. J. Fielding, Joseph Gorry, David Warwick, and P. Kilran sent apologies for non-attendance.

PAST-PRESIDENT'S DEATH

THE PRESIDENT referred to the death, since the previous meeting of the Council, of Mr. William Nassau Allen, a former president of the Society. Mr. Allen's father was, he said, one of the first members of the Society, and he himself was a very distinguished member. He proposed a vote of condolence with Mrs. Allen and Miss Allen.

The vote of condolence was passed in silence, the members of the Council standing.

PROPOSED PHARMACY BILL

THE VICE-PRESIDENT read a statement in reference to the proposed Pharmacy Bill which had been placed before General Mulcahy, Minister for Local Government and Public Health, the previous day by a deputation consisting of the president, the vice-president, and Mr. William Campbell Meeke, solicitor, law adviser of the Society.

THE PRESIDENT said they had a very lengthy discourse with the Minister. He (the President) pointed out to him that his Council and members of the trade throughout the country were of opinion that the Legislation Subcommittee had gone to sleep in the matter, in view of the fact that their suggestions were handed to his department as far back as August 1927, and that they did not want that the onus of the delay should be thrown upon them. The Minister stated that he hoped to have the Bill introduced before May, and that he would give them a definite statement of his intention in the matter before March, and as to whether it would be possible to secure parliamentary time for the Bill. He (the president) suggested that the members of the Society should get into touch with their friends in the Dail, without delay, and request them to facilitate General Mulcahy in the direction of securing parliamentary time. General Mulcahy was quite willing to facilitate the matter. The difficulty was to get parliamentary time. If the Bill was not introduced in May, they would not get it through this year.

SIR THOMAS ROBINSON: No time is needed for an unopposed measure.

THE PRESIDENT said that two or three days would be ample to deal with the Bill. He believed that the Bill suggested by them was in such perfect condition that only two or three hours' consultation between their law adviser and the legal gentlemen attached to the Ministry of Local Government of Public Health would be necessary to clear up a few small points. It was possible that it would be introduced in the coming session if sufficient pressure was brought to bear on the Government.

CHRISTMAS GREETINGS

The registrar submitted greetings from the president of the Pharmaceutical Society of Great Britain, the Pharmacy Board of Queensland, and the Pharmacy Board of Tasmania.

THE PRESIDENT: I am sure we heartily reciprocate their good wishes.

The registrar also submitted thanks for greetings from the editor of "The Irish Chemist and Druggist," and the president and members of the Pharmaceutical Society of Northern Ireland.

APPEAL TO THE MINISTER OF JUSTICE

The registrar read a letter from Mr. O'Friel, secretary to the Ministry of Justice, who wrote:—

I am directed by the Minister for Justice to inform you that he has under consideration a petition received from Miss Teresa McDermott, of Bridge Street, Strokestown, co. Roscommon, praying for a mitigation of the penalties imposed upon her at Strokestown District Court on the 8th ult. for breaches of the Pharmacy Act, 1875. The Minister, before deciding whether there should be any reduction of the penalties in the case, would like to give the Society an opportunity of making any observations in the matter that they may care to offer.

Miss McDermott's petition, a copy of which was enclosed with the letter from the Ministry, was read. The registrar also read a report made by Mr. Meeke, law adviser to the Society, in reference to Miss McDermott's petition. Mr. Meeke's report stated:—

There is no substantial dispute about the facts. Certainly no attempt was made by defendant's solicitor to contravert my statement to the justice, and he didn't put the defendant in the box or make any attempt to mitigate her offence beyond the bold plea that is made by herself that she acted in ignorance and had employed a duly registered pharmaceutical chemist to conduct the business.

The simple facts are: Miss Teresa McDermott, aged between forty and forty-five years, stated to be a qualified nurse, purchased vacant premises in Bridge Street, Strokestown, in the month of July last, and immediately started business in them as a pharmaceutical chemist. The opening of the business was advertised in "The Strokestown Democrat," and the advertisement states:—"The Bridge Street Pharmacy is now opened by a fully qualified chemist of long experience, with a complete stock of all high-class toilet requisites for ladies and gents. Patent medicines and veterinary preparations for horses, cattle, sheep and pigs. Doctors' and veterinary surgeons' prescriptions carefully compounded." The lady had no pharmaceutical qualification whatsoever, and it was not alleged by her solicitor that she had any experience whatever in the compounding of prescriptions or the dealing in poisons. No allegation was made by him that she had consulted Mr. P. J. Gaynor, solicitor, Strokestown, and that that gentleman or any other solicitor had advised her that if she procured the services of a duly qualified chemist she would not require to form a limited company immediately, and that she could in the meantime open the premises under the supervision of a qualified chemist. If such a fact had been stated and proved, the case would have assumed a very different aspect, and in my discretion I would have withdrawn certainly one of the summonses under the Pharmacy Act. She started the business under the title of "The Modern Pharmacy, Ltd.," and that title was painted over the door. On August 1, 1928, the Society's inspector called at the premises. A prescription was compounded. On both the bottle and the prescription is the usual registration mark. The inspector purchased a bottle of carbolic acid, which is a scheduled poison. On the label were the following words:—"The Modern Pharmacy, Ltd., Family Dispensing Chemists, Bridge Street, Strokestown. Customers' prescriptions carefully and accurately made up." The inspector also purchased a packet of Harvey's aconite powders. These on analysis by Mr. Thorp, B.Sc., F.I.C., public analyst, were found to weigh 3 oz. They contained no aconite, but did contain 4.6 per cent. of arsenic and 16 per cent. of tartaric emetic, both by weight. . . . As almost invariably happens in the case of business irregularly conducted, no attempt was made to comply with the provisions of the Sale of Poisons Act, 1870. The purchaser was unknown to the vendor, and a poison-book was not tendered for signature, and in fact was not signed. On August 3, 1928, you sent the usual statutory letter under Section 18 of the 1890 Act, and received a reply, dated August 14, 1928, from Mr. Delany, solicitor, Longford, on behalf of Miss McDermott, of which the following is a copy:—"Dear Sir, Miss Teresa McDermott . . . informs me that she is the proprietor of the business, and that the business is managed by Mr. James Dalton, who is a duly qualified chemist. She instructed me some time ago to take steps to form a private limited company for the purpose of carrying on the business. This will be done as soon as possible."

On October 31, 1928, I wrote to the Register of Joint Stock Companies inquiring if the Modern Pharmacy, Ltd., had been registered. He replied on November 1, 1928, stating that there was no company with the title, "The Modern Pharmacy, Ltd.," on the Register. The summonses were heard on November 8, 1928, and it was then stated on behalf of the defendant that the papers were ready to lodge

for registration of the company. On January 4, 1929, I had a search made at the office of the Registrar of Joint Stock Companies, and no company known as the Modern Pharmacy, Ltd., or incorporating the name Teresa McDermott, had been registered till that date. Indeed, it will be observed that the defendant's memorial to the Minister does not contain any allegation that she had either registered the limited company or ceased to carry on her illegal business. . . . There was no vendor's name and address of any kind on the packet of Harvey's aconite powders, but I did not issue a summons for this offence. There was also, of course, the offence under Section 232 of the Companies (Consolidation) Act, 1908, committed by her in that she used the word "Limited" in respect of a company which had not been incorporated pursuant to that Act. The section prescribes a fine not exceeding £5 for every day upon which the name or title has been used. With this breach of the law I was not concerned. As you know, there have recently been a number of cases in which individuals without any qualification deliberately and with full knowledge of their illegal act opened pharmacies and carried on business under the cover of qualified persons, but this case is the only one in my long experience as the Society's solicitor in which the law breaker attempted to hide his offence by using the word "Limited" in the title of the business, and so attempting to divert the suspicion of the Society and its inspector from the illegal business. Of the fines imposed the fines of £5 each are payable in full to the Society, together with the costs, so that between costs and penalties the Society receives £18 8s. towards the expenses of the prosecution. I need not remind the Council that between the inspector, analyst and ourselves £18 8s. cannot cover the Society's outlay in connection with the matter. Altogether the impression left upon my mind by this case was that the defendant had deliberately laid herself out to break the law, and attempted to cover her offence by the clever idea of hiding it under the use of the word "Limited."

The PRESIDENT said it was a very bad case. Up to January 1 there was no attempt to form a limited company, and the defendant was still carrying on business there.

The following resolution was passed:—"Having read the copy of the memorial of Miss Teresa McDermott relative to the recent prosecution and the fines inflicted on her, and the report of our law adviser on the case, we direct the registrar to send a copy of the law adviser's report to the Minister for Justice as the Society's observations upon the matter."

LETTER TO AN INSURANCE SOCIETY

The following resolution was adopted:—"That the registrar be instructed to write to the Scottish Equitable Insurance Society and say that the Council was surprised at the statement made in a circular of theirs to the effect that the Pharmaceutical Society of Ireland had approved of this Society. The Council is not aware of having expressed any such approval."

CHANGES OF ADDRESS

Mr. J. M. Dwyer, Ph.C., to 19 West End, Mallow; Mr. Edward McC. S. Hill, Ph.C., to Wingham, Manning River, New South Wales; Mr. J. D. McClelland, Ph.C., to 2180, Woodland Drive, Vancouver, British Columbia; Mr. O. McCormick, Ph.C., to The Medical Hall, Milford, co. Donegal; Mr. Wm. McQuitty, R.D., to c/o Adamson & Co., 4 Darling Street, Enniskillen; and Miss Ethel M. O'Neill, Ph. C., to The Pharmacy, Bailieborough, co. Cavan.

PRELIMINARY REGISTRATION

Mr. W. F. Mansfield, Enniskillen, and Mr. D. J. Trant, Tralee, who submitted certificates from other bodies, were admitted to Preliminary registration.

REGISTRATION AS PH.C.

Dr. J. A. Hynes, 108 Leinster Road, Dublin, wrote submitting a certificate as a Licentiate of the Apothecaries' Hall, Ireland, and asking to be registered as a Pharmaceutical Chemist. The application was granted.

REPORTS FROM COMMITTEES

Reports from the Law Committee, the House Committee, the Certificate and Declarations Committee, the Schools Committee and the Benevolent Fund Committee were received and adopted.

SUBSCRIPTIONS TO THE BENEVOLENT FUND

It was announced that subscriptions to the Benevolent Fund of £1 ls. each had been received from Dr. J. A. Walsh, M.C.P.S.I., Dublin, and Mr. P. J. Devlin, M.P.S.I., Thurles. A vote of thanks to the donors was passed.

RESULTS OF EXAMINATIONS

The Schools Committee reported the results of the Schools Examinations held in December 1928 as follows:—Theoretical Chemistry Class: 1st prize, Mr. P. Hanly, 78 per cent.; 2nd prize, Mr. J. Gorry, 75 per cent. Botany Class—1st prize, Miss P. C. Dolan, 95 per cent.; 2nd prize, Mr. J. A. Kieran, 86 per cent. Materia Medica Class: 1st prize, Mr. P. J. Sheehan, 72 per cent. School of Pharmacy Examination: 1st prize, Miss Caitlin O'Kelly, 29 marks out of a possible 30; Mr. Patrick J. Tobin, 27 marks.

REPORT OF DEATHS

The registrar reported the deaths of William Nassau Allen, Ph.C., Dublin; John Thompson, Ph.C., Belfast; William Lunn, Swinnerton, Ph.C., Monaghan; William White, Ph.C. (in South Africa); David Stranaghan, Ph.C., Belfast; Willoughby Catherwood Adams, R.D., Belfast; James Brown, R.D., Belfast; Frances Ellen G. Brennan, R.D., Belfast; Hugh Holmes, R.D., Belfast; James Hunt, R.D., Butterstown, Waterford; John Maxwell, R.D., Derry; Campbell Morton, R.D., Castledawson; Joseph McMullan, R.D., Coleraine, and David Stewart, R.D., of Belfast.

ELECTIONS AND NOMINATIONS

The following were elected to membership:—Mr. C. H. Batt, Ph.C., 98 Sandymount Road, Dublin; Miss Kathleen Deery, Ph.C., Ballaghadereen, co. Mayo; Mr. M. D. Moloney, Ph.C., Dunning's Medical Hall, Killaule; Dr. T. J. O'Connor, Ph.C., Bagenalstown, co. Carlow; and Mr. John Joseph Walshe, Ph.C., Rathpeacon, co. Cork.

The following were nominated for membership:—Mr. C. Cremen, Ph.C., 3 Meath Street, Dublin; Mr. O. McCormick, Ph.C., the Medical Hall, Milford, co. Donegal; Miss Ethel M. O'Neill, Ph.C., Bailieboro', co. Cavan.

A Grocer's Lament

TRADE poaching is a subject troubling grocers as well as chemists, and a letter about the "sell-everything" chemist, which appears in "The Grocer" of January 5, is worthy of more than passing notice, if only because of its breezy style, and the useful lesson it inculcates. The writer of the letter asks if it would be too much to assert that chemists have poached on the following trades:—Grocery, stationery, watches, clocks and jewellery, leather and fancy goods, confectionery, book-selling, catering, hardware. He refers to a display in a South-West London chemist's window of laundry soap at 4½d. an approximate 1-lb. bar; to a large multiple-shop druggist company's list in which are quoted food products, custard powder, mixed fruit drops, honey, gravy colouring, ice-cream powder, lime-juice cordial and cornflour; to a South of England drug company which goes the "whole hog" with household utensils of every kind, including pots, pans and shovels. It is suggested that the chemist might reasonably leave out caramels, chocolate, cream, tea, prayer-books, starch and treacle, and that it is inappropriate for Bath buns and beef steaks to browse under the same roof as cyanides, bromides and chlorides. In the same happy strain, the writer of the letter hits off many of the curious side-line developments which nowadays mark shops where the business of a chemist and druggist is also carried on and he concludes with the suggestion that "a very, very persuasive committee of grocers should call upon a representative body of chemists and make them sign to operate the nation's sugar distribution for the next ten years." That, he seems to think, would teach the "sell-everything" chemist an effective lesson.

Festivities

West Ham Function

ON January 3 the annual New Year's party of the West Ham and District Association of Pharmacists, in aid of the Benevolent and Orphan Funds, was held at the Red Triangle Club, Plaistow. There was an attendance of nearly 200, and games, competitions and dancing were in full swing from 7.30 to 11.30 p.m. The feature of the evening was the "Grand March," in which everyone present joined. Prior to the grand march Mr. E. H. Simmons made a stirring appeal on behalf of the Benevolent Fund. A flag at the top of the hall was arranged to receive cash, and a sum of about £28 was realised.

Leicester Christmas Party

THE pharmacists of Leicester held their annual Christmas party on January 10 at the Constitutional Club, where the arrangements were in the hands of the ladies' social committee. From 3 to 7 p.m. the children were entertained to games, music and dancing. Tea at 4.30 p.m. was followed by a baby cinema entertainment, speciality dancing by some of the children, and then a jolly dance filled the rest of the time. At 7.30 p.m. the elders arrived, and a "Paul Jones" quickly brought about a happy atmosphere, which continued throughout the whole evening. "A Hunting We Will Go," in which everyone joined, was the star turn.

Newcastle Annual Dinner

THE annual dinner of the Newcastle and Northumberland Branch of the Pharmaceutical Society was held in Newcastle-on-Tyne on January 9, Mr. R. Pool presiding. Dr. H. Dickie (Morpeth), proposing the toast of "The Society," congratulated the members upon the way in which they had developed educational, social and benevolent work. Mr. T. Guthrie, treasurer of the Society, responding, gave interesting particulars of the progress made in the past year. There were now, he mentioned, seven or eight students in Glasgow studying for the B.Sc. in Pharmacy, while others were at the London University. Mr. H. C. Roper proposed "The Medical Profession," and Dr. J. Collingwood Stewart responded. The toast of "The Ladies and Visitors" was proposed in humorous vein by Mr. C. E. Layne, the honorary solicitor of the Society, and responded to by Mr. J. E. French, chairman of the Retail Pharmacists' Union Executive. A choice musical programme was provided.

Manchester Festivity

THE annual whist drive and dance of the Manchester Pharmaceutical Association was held at the Midland Hotel on January 9. The president (Mr. William Kirkby, M.Sc.) was unfortunately unable to attend owing to illness. The vice-president (Mr. J. A. Collins) and Mrs. Collins received the guests, who numbered eighty. About half of these favoured dancing, the remainder participating in the whist drive. During an interval an excellent supper was served, a carnival spirit prevailing, especially after the distribution of fancy caps. Before dancing was recommenced Mr. Collins expressed the general regret at Mr. Kirkby's absence. After a witty speech, Mrs. Collins distributed the prizes as follows:—*Ladies*: (1) Mrs. J. H. Franklin, (2) Miss D. Newton, (3) Miss Williamson. *Gentlemen*: (1) Mr. S. R. Oddy, (2) Mr. J. H. Greenhow, (3) Mr. E. Jones. Travelling prizes were won by Mrs. R. G. Edwards and Mr. E. Jones.

Terpsichore in Pall Mall

THE discovery, a year or two ago, of the Suffolk Galleries, Suffolk Street, Pall Mall, S.W.1, as a rendezvous has contributed much to the success of the annual dance of the National Association of Women Pharmacists. Everybody likes fox-trotting and waltzing with a background of pictures and an ideal floor; so the president of the Association (Miss Dennis Hayes), the secretary (Miss Hodgkinson) and the treasurer (Miss R. Sproule) beamed with content on the evening of January 10, for nearly all of the 150 people expected had turned up, and obviously all were enjoying themselves. Full official support was provided by the presence of the president

of the Pharmaceutical Society (Mr. Herbert Skinner), three of his Councillors (Mrs. Freke, Mr. A. R. Melhuish and Mr. W. J. Beardsley), and the secretary and registrar (Mr. H. N. Linstead). The president of the Western Pharmacists' Association (Mr. W. B. Falding) was also there with Miss Falding, and among many others were Mr. C. G. Bonner (with Miss Bonner), Mr. and Mrs. B. R. Wilkinson, Mr. and Mrs. W. E. Swanston, Mr. and Mrs. William Chalmers, Mr. and Mrs. Frank Noble, Mr. and Mrs. Abbott, Mrs. Linstead, Miss Dora Noble and Miss Melhuish. The fun was kept going merrily throughout the evening, under the cheery and experienced direction of Mr. Peter Irvine and Mr. John Abbott. A long telegram was read from Mr. Victor Hanna, wishing everyone a happy evening and inviting one and all to this year's British Pharmaceutical Conference in Dublin.

Dinner at Brighton

THE Brighton and Hove Association of Pharmacy spent an enjoyable time on January 11 at the Grand Hotel, on the occasion of the annual dinner. There was a large gathering, including the president of the Pharmaceutical Society (Mr. Herbert Skinner). The president of the Association (Mr. A. J. Franklin) and Mrs. Franklin held a reception before the dinner. Each lady received a souvenir of the occasion in the shape of "poudre comprimée." The toast of "The Pharmaceutical Society of Great Britain" was entrusted to Mr. F. W. Burgess, who referred to the great work that the Society had done and was doing. He congratulated the Society on the representation it had now obtained on the British Pharmacopœia Revision Committee. Mr. Burgess urged in conclusion that dispensing in Great Britain, as on the Continent, should be confined to pharmacists. Responding, Mr. Skinner put in a good word for the Society's Benevolent Fund. After an allusion to the presence of the oldest pharmacist in Sussex—Mr. Ward, of Southwick—Mr. Skinner concluded by presenting to Mr. Burgess a replica of the Edmund White golf trophy, won by him at the 1928 Conference. Mr. Edgar Jones proposed "The Ladies and Visitors" in apt and genial terms, and Mrs. Burgess replied in a witty speech. Proposing "The Brighton and Hove Association of Pharmacy," Mr. H. C. Browne said there was no more live or successful Association. In reply, the chairman said the Brighton and Eastbourne Associations had always enjoyed the best of good fellowship. They remembered when the Eastbourne Association entertained 300 of their people at the Brighton Conference in 1927, and how well they did it. Welcoming the presence of Mr. Skinner, Mr. Franklin said there was no man who had tried to do more to raise the status of pharmacy. Mr. Franklin also gratefully acknowledged the assistance of the committee in making the function a success, mentioning especially Messrs. Burgess, Plowright and Dyson. He concluded by asking Councillor C. G. Yates to accept a canteen of cutlery as a wedding present from the Association, and a token of gratitude for past services. He recalled that Councillor Yates was president from 1913 to 1921. Councillor Yates, in reply, asked the members to excuse him from making an adequate speech, because it was only ten weeks ago that he was under the surgeon's knife. Dancing followed till 1 a.m., Mr. J. E. Vickers and Mr. E. Beckwith acting as M.C.s. The dinner committee was composed of Messrs. A. J. Franklin, F. W. Burgess and J. E. Vickers, with the joint secretaries (Messrs. J. A. Dyson and H. A. Banks). The committee request us to thank the following wholesale houses for their support: Allen & Hanburys, Ltd.; J. & E. Atkinson, Ltd.; Barclay & Sons, Ltd.; A. Bourjois et Cie., Ltd.; The British Drug Houses, Ltd.; Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcome & Co.; Butler & Crispe; Thos. Christy & Co.; Arthur H. Cox, Ltd.; Coty (England), Ltd.; Cuxson, Gerrard & Co., Ltd.; Erasmic Co., Ltd.; Evans Sons Lescher & Webb, Ltd.; Fryco, Ltd.; R. Gibson & Sons, Ltd.; Genatosan, Ltd.; D. & W. Gibbs, Ltd.; Thomas Hodgkinson, Prestons & King; Ingram & Royle, Ltd.; S. Maw, Son & Sons, Ltd.; May, Roberts & Co., Ltd.; Pepsodent, Ltd.; Phosferine, Ltd.; Sutton & Co.; Southall Brothers & Barclay, Ltd.; J. Tompkins, Ltd.; U.C.A.L., Ltd.; A. Wander, Ltd.

Trade Notes

CHEMISTS will appreciate the information given in the advertisement of The Kene Coagulating Cement Co., Carlisle Works, Oldham.

NORVIC CREPE BANDAGES.—The cost and selling prices of Norvic crepe bandages (in the blue carton) are given in the advertisement pages in this issue.

VETERINARY MEDICINES.—Wilson's, Ltd., Arthurs Bridge, Woking, invite applications from chemists regarding the sole agency in their district for the company's products.

CARRIER BICYCLES.—The Raleigh Cycle Co., Ltd., Nottingham, give details on another page in this issue regarding the purchase of their carrier bicycles on the instalment system.

OLIVE OIL FOR AUSTRALIA.—Willmott, Prisk & Co., Ltd., Adelaide, Sydney and Melbourne, are the sole distributors in Australia for the olive oil of Ghaffard & Couderc, Marseilles.

THE ESTOSA PERFUMERY CO., LTD., 89 Cheapside, Liverpool, are the makers of Alpine Sun bath salts, a full-size packet of which will be sent to C. & D. subscribers post free on receipt of a trade card.

INFLUCINE is the name of a spray vaccine for the prevention and treatment of diseases of the respiratory tract. It is offered by the Drug & Chemical Corporation, Ltd., 204-206 Great Portland Street, London, W.1.

C. & D. DIARY.—Will subscribers please make a note on page 134 of THE CHEMIST AND DRUGGIST DIARY, 1929, that the present address of A. Elder Reed & Co., Ltd., is Peninsular House, 28 Monument Street, London, E.C.3?

PRICE REDUCTION.—D. & W. Gibbs, Ltd., City Soap Works, Wapping, London, E.1, announce a reduction in the retail price of their refill shaving sticks to 10d. on and after February 1. The wholesale price was reduced in October.

CHINOSOL PREPARATIONS.—Charles Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C.3, inform us that they have been appointed sole distributors in this country for the products of Chinosol-fabrik A.G., Hamburg.

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.C.2, inform us that the new retail prices of Allenburys Milk Cocoa, referred to in last week's issue of the C. & D., are 2s. and 3s. 6d., and not as printed.—Plough brand carbon tetrachloride capsules are now available in strengths of 1 c.c. and 2 c.c., packed in boxes of 25, 50, 100 and 250.

PARKE, DAVIS & Co., Beak Street, London, W.1, inform us that the formula of Syrup Cocillana Compound has been modified, and now contains ethylmorphine hydrochloride in place of the diamorphine salt. Syrup Cocillana Compound is not subject to the D.D.A. regulations.—Recent additions to the firm's Immunogens include staphylococcus immunogen, catarrhalis immunogen combined and canine distemper immunogen.

NEW ZEALAND HONEY.—A. J. Mills & Co., Ltd., Colonial House, Tooley Street, London, S.E.1, who are the sole European agents for New Zealand Imperial Bee honey, state that this product has always been clearly marked as to the country of origin, and, in addition, for some years the glass containers have been labelled "Empire Produce," so there has been no necessity for alteration as the result of the Merchandise Marks Act.

"**BUSINESS BUILDING**" is the title of a new serial publication which is being published in 24 fortnightly parts (1s. 3d. each) by Sir Isaac Pitman & Sons, Ltd., 39-41 Parker Street, Kingsway, London, W.C.2. It is intended to cover the whole field of business life, and among the matters dealt with in the first number are: Business and the business man; Business premises; How to buy a business; Modern shopfitting and store planning; The lighting of shops and warehouses; Buying goods. The date of publication of the first number is January 19.

GRAESSER-MONSANTO CHEMICALS.—A new list of the products of the reorganised Graesser-Monsanto Chemical Works, Ltd., Ruabon, N. Wales (C. & D., November 24, 1928, p. 625) is now available. Copies can be had on application to the offices at King William Street House, Arthur Street, London, E.C.4. A feature is made of the Graesanto Service, which is placed at the disposal of customers for any information desired. Open invitations are extended to all interested to pay a visit to the enlarged offices at the above address, the additional accommodation being required owing to the transfer of a number of the staff from North Wales to London.

THE "WIRELESS TRADER" YEAR-BOOK AND DIARY for 1929, in addition to covering much of the same ground as in former years, has in the current issue a new section devoted to information for the use of traders catering for the wireless and gramophone public. Besides some 100 pages of trade, technical and general information, there are comprehensive lists, including trade and professional addresses of manufacturers and manufacturers' agents, trade and professional addresses of factors, a classified buyers' guide to goods supplied and services rendered, names of proprietary goods and their manufacturers. There is also a useful Diary for 1929, giving one week at opening and interleaved with blotting paper. The price of the book is 5s. 6d., post free.

BRITISH JOURNAL PHOTOGRAPHIC ALMANAC.—There can be few, if any, annual publications which receive greater appreciation than the British Journal Photographic Almanac, appreciation which does not end with the passing of the date inscribed on its cover. The 1929 volume has just been published. From a business point of view, the features which no doubt will make the greatest appeal to photographic chemists are the Epitome of Progress, the Reviews of New Goods, the formalas and the tables, but there are other matters of considerable interest besides these. Mr. George E. Brown, F.I.C., the editor, describes and illustrates the numerous ways in which photography is used by the police authorities in the detection of crime, and Mr. T. L. J. Bentley, B.Sc., has contributed an excellent article on "Action Photographs." As has been the practice in recent years, there is again a large number of photogravure reproductions of pictorial photographs. Of the 800 pages of the Almanac, the literary and pictorial sections absorb about 300, while the remainder form a buyer's guide to the photographic trade. The volume (2s. paper cover, 3s. cloth bound) is published by Henry Greenwood & Co., Ltd., 24 Wellington Street, London, W.C.2.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1929, p. 333.

(From "The Trade-marks Journal," January 2, 1929.)

- "BRONCHELIX"; for medicinal chemicals (3). By G. R. Williamson, 428 Foleshill Road, Coventry. 496,767.
- "BUCROL"; for medicinal chemicals (3) and for perfumery, etc. (48). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 496,885/886. (Associated.)
- "EMPLETS"; for all goods (3). By Parke, Davis & Co., 50 Beak Street, London, W.1. 497,089.
- "SANOFEROL BRAND" and "EUMOCOL BRAND"; for medicinal chemicals (3). By H. R. Napp, Ltd., 3 & 4 Clement's Inn, London, W.C.2. 497,275/276.
- "MEDELECT"; for surgical instruments, etc. (11). By H. Bright, 4 St. Andrew's Place, Regent's Park, London, N.W.1. 497,271.
- "CARBOLYNE"; for photographic papers (39). By Drawing Office Supplies, Ltd., 51 Cheapside, London, E.C.2. 497,372.
- "VITA-SALT" and "VITA-MUSTARD"; for salt and mustard (42). By G. H. Thomas, 24 Portland Place, London, W.1. 492,737/738. (Associated.)
- "LE MONDU"; for toilet cream and powder (43). By J. Halford, 26 Coventry Street, London, W.1. 494,361.
- "GULLI-GULLI PARFUMS DES TROPIQUES" ("Parfums des Tropiques" disclaimed); for perfumery, etc. (48). By Société Anonyme Les Parfums de Vigny, 1 Crutched Friars, London, E.C.3. 495,726.
- "SEMAPHORE"; for perfumery, etc. (43). By J. Bibby & Sons, Ltd., King Edward Street, Liverpool. 496,815. (Associated.)

Deaths

BELL.—In a London nursing home, on January 6, after an operation, Mr. William Brittain Bell, chemist and druggist, manager at Barnstaple for Boots, Ltd., for twenty-six years, aged sixty.

BRUNNER.—At 43 Harrington Gardens, London, S.W.7, on January 16, Sir John Fowler Brunner, Bt., aged sixty-three. Sir John Brunner was the eldest son of Sir John Tomlinson Brunner, who, with the late Dr. Ludwig Mond, the father of Lord Melchett, founded the great chemical firm of Brunner, Mond & Co., Ltd., of Northwich, now a constituent company of Imperial Chemical Industries, Ltd. Sir John Brunner was for many years a director of Brunner, Mond & Co., Ltd., and resigned from the Board of Imperial Chemical Industries, Ltd., in 1927. He was Member of Parliament from 1906 to 1918 and again from 1923 to 1924, representing successively Leigh, Northwich and Southport. Sir John Brunner married, in 1894, the daughter of the late Mr. Octavius Vaughan Morgan, M.P., one of the founders of THE CHEMIST & DRUGGIST. He is succeeded by his only son, Mr. Felix John Morgan Brunner.

CARRICK.—At Montclair, U.S.A., on December 25, 1928, Mr. George Wheeler Carrick, president of the G. W. Carrick Co., aged seventy-seven. Mr. Carrick joined Reed & Carrick as manager in 1889, and formed the G. W. Carrick Co ten years later. He leaves a widow, two sons and two daughters.

CHAPMAN.—At Wells, Norfolk, recently, Mr. Walter Chapman, retired chemist and druggist, aged eighty-two. Mr. Chapman had carried on business in Yarmouth and Wells, but for the last few years had lived in retirement at Great Walsingham. He was very active in spite of his years, and during the war served in the Wells Company of the Norfolk Volunteers.

DAVIES.—At Wrexham, on January 10, the widow of the late Mr. John Davies, chemist and druggist, Yorke Street, aged ninety-one.

DICKENSON.—At 40 King Edward Road, Oldfield Park, Bath, on January 7, Mr. Edmund Ernest Dickenson, chemist and druggist. Mr. Dickenson, who qualified in 1892, was a branch manager to Boots, Ltd., at Nottingham, and afterwards at Frome and Bath.

HAMILL.—In Belfast, on January 11, Mr. John M. Hamill, solicitor to the Pharmaceutical Society of Northern Ireland. Mr. Hamill, who passed away after a few days' illness, had been legal adviser to the Society since its formation in 1924. He was frequently called upon to interpret points of law, and invariably advised to the satisfaction of the Council, by whom his death is much deplored.

KEEN.—Recently, Mr. H. J. Keen, for a long period a member of the staff of Burgoyne, Burbidges & Co., Ltd., manufacturing chemists, East Ham, London, E.6, and for the past twenty-three years manager of their export department.

MCCULLY.—At his residence, Beech Grove, Waterside, Londonderry, on January 10, Mr. Thomas McCully, J.P. (Thomas McCully & Co., Ltd., wholesale and retail chemists), aged eighty-two. Mr. McCully established his business in Victoria Road, Londonderry, half a century ago. He had a record of public service extending over thirty years, during which he served for a long time in the Corporation, and also as a member of the Board of Guardians, Asylum Board, Bridge Commission, and Infirmary Board. On several occasions he was offered the mayoralty, but declined it.

Wills

MR. GEORGE EDWARD MARFITT, of 54 Regent Road, Leicester, chemist, died on June 9 last, leaving £6,250 12s. 3d., with net personalty £3,785 14s. 9d.

MR. JETHRO NOTTLE HAM, 17 Thorn Park, Mannamoad, Plymouth, Devon, formerly in business as a surgical boot maker, who died on October 27 last, aged seventy-seven years, left estate of the gross value of £9,106 15s. 4d., with net personalty £4,849 8s. 7d.

Personalities

MR. F. J. PHILLIPS is representing R. J. Reuter Co., Ltd., London, E.C., on his old ground in the Midlands.

MR. SAMUEL MANNERS, chemist and druggist, Crestwood, New York, U.S.A., has been elected a Fellow of the Royal Photographic Society.

A PORTRAIT of Mr. Thomas Stephenson, D.Sc., Ph.C., F.R.S. Edin., by Mr. A. Swan Watson, appears in the current issue (January 16) of "The Amateur Photographer."

MR. JOHN RAE, F.C.S., has joined the board of directors of Clay & Abraham, Ltd., manufacturing chemists, Bold Street, Liverpool, and will take charge of the laboratories.

MR. W. B. TRICK, J.P., senior director of Lewis & Burrows, Ltd., chemists, has been ordered by his doctor to spend the next three months in the South of France, in order to avoid bronchial trouble.

MISS CHRISTABEL BAYLEY, younger daughter of Mr. Cornelius Bayley, chemist and druggist, Uppingham, has been appointed Assistant Lecturer in Art by the Birmingham University Education Department.

CERTIFICATES OF NATURALISATION have been granted to L. Baumgarten, medical practitioner, 254 Bethnal Green Road, London, and to H. A. Seidenberg, medical practitioner, 20 Mount Street, Whitechapel, London.

MR. J. H. WADSWORTH, who has been secretary of Imperial Chemical Industries, Ltd., since its incorporation, has been appointed to the board of the company and to the executive committee. Mr. P. C. Dickens has been appointed secretary.

MR. F. J. DYER, B.Sc., Ph.C., recently head of the pharmacy department of Bradford Technical College (*C. & D.*, January 12, p. 39), has been appointed a member of the staff of the Pharmacological Laboratories of the Pharmaceutical Society.

W. BRO. JAMES WHITTLE, P.P.G.Gt.B., chemist and druggist, was installed Worshipful Master of Morpeth Lodge, No. 4,176, on January 1. W. Bro. Whittle was supported by W. Bro. the Rev. J. Drysdale (Past Grand Chaplain of England), W. Bro. Colonel J. J. Gillespie (Assistant Provincial Grand Master Northumberland), W. Bro. A. Rutherford, chemist and druggist, Newbiggin-by-Sea, and other W.M.s and brethren of neighbouring lodges.

MR. E. J. ANDREWS, general secretary of the Photographic Dealers' Association, was seriously injured recently as a result, apparently, of an artificial limb collapsing and causing him to fall in such a way as to fracture the stump of his amputated leg. He was conveyed to St. Thomas's Hospital, London, S.W., and it is anticipated that some weeks must elapse before he will have recovered. Mr. Andrews had his right leg amputated above the knee in 1915 as the result of a wound received at Loos.

MR. A. RIDOUT, who has been elected president of the Proprietary Articles Trade Association, is managing director of J. Grossmith & Son, Ltd., perfumery manufacturers, Newgate Street, London, E.C.1. Messrs. Grossmith have been members of the P.A.T.A. almost from the inception of the Association, and Mr. Ridout has represented the company on the Council since 1909. He has served on the Executive Committee of the Council, has been vice-president and chairman of the Manufacturers' Section, and has always taken an active interest in the affairs of the Association.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

M/71. Allbutt's quinine powders	M/71. Hygena steriliser and spray
B/161. Californian Pine Water face lotion	E/21. Kingclip nail-scissors
R/131. Coluplin (type of yeast derived from hops)	B/161. Lafitte soap
P/151. Globoids	P/151. Pelloids (laxative)
	E/121. Serodause tonic

Observations and Reflections

By Xrayser III

Varying Characters

of certain galenicals are familiar to most of us, and it is useful to have Mr. Franklin's reminder of them, as well as his explanation of the probable causes of variation (*C. & D.*, January 5, p. 11). One important cause of observed difference is, of course, the use by manufacturers of methods which cannot be regarded as other than modifications of British Pharmacopœia official methods. I have frequently had occasion to point out that B.P. standard preparations can only be obtained by using material which meets B.P. requirements and is operated upon by strictly B.P. methods. But this not infrequently means that it is impracticable to produce identical articles by working on what may be regarded as the official or experimental and the manufacturing scales. The individual pharmacists, following the British Pharmacopœia closely, can produce a pint of tincture which undoubtedly represents the standard article, while the manufacturer, working on a larger scale, produces something which answers all official tests and is equally efficacious, but varies from the standard in colour or otherwise. The problem is how to reconcile the needs of the two classes of workers. Whatever may be done in this direction by the new Pharmacopœia Commission, I sincerely hope there will always be due regard for the claims of the pharmacist who has opportunities for making his own galenicals, and that we shall not be compelled to buy everything ready made from manufacturers. In effect, whatever changes in processes may be decided upon, I should like to see the maintenance, as the standard, of the product obtained when working with strictly B.P. material by strictly B.P. methods.

Reminiscences,

such as those of Sir William Whitla (*C. & D.*, January 5, p. 19), are always full of interest, particularly to readers who, like myself, can carry back their recollections of pharmacy for a number of years. I can remember working with the old London, Edinburgh and Dublin Pharmacopœias, though at a period when there was a British Pharmacopœia in existence. So far as my recollection goes, the B.P. 1864 never came into effective use, and it was scrapped almost before chemists and druggists had time to realise its existence. I was brought up, as an apprentice, on the B.P. 1867, but the older works of the three Colleges of Physicians remained in use for a considerable period. Some preparations we used to make in accordance with one and some with another, and it was long before the idea of uniformity became firmly established generally. Having later become very familiar with the B.P. 1867, I had perforce to drop it and master the contents of its successor before I was able to present myself for the Minor examination. This was naturally regarded at the time as an unmixed evil, but the benefit that accrued to me was really of incalculable value, and I have often had cause to rejoice that circumstances compelled me to acquire familiarity with the contents of more than one or two issues of the national medicine book. I am now looking forward to the appearance of the British Pharmacopœia 1932 (?), and hope to find time to study it as carefully as any of its predecessors.

In a well-known Auction Room

a few weeks ago there were sold a number of Wesley items, among which was a copy of John Wesley's "Primitive Physic." It would be impossible to calculate the number of copies of this book circulated during the hundred years in which it was so popular. It first saw the light in 1747; twenty-three editions appeared during his lifetime (he died in 1791); the thirty-second was published in 1828. But there must have been a considerable demand for it after that date, for I have copies of issues dated 1843, 1846 and 1850. This curious volume has been noticed in your columns on several occasions, but I am not sure whether it has

been pointed out that it was not the first production of the kind from the hand of Wesley. Two years previously he published at Bristol "A Collection of Receipts for the Use of the Poor," the price of which was twopenny; it contained one of his very characteristically sententious commendations in these words:—"I suppose there are very few *infallible* medicines; but believe most of those which follow will fail as seldom as any, and much more seldom than the costly ones in common use. From a vast number I have selected those which are not only *cheap* but *safe*: very few of them, if they do no good, being likely to do much harm." Where did Wesley find the material from which he gathered the "vast number" of his recipes? He founded his dispensary with the aid of an apothecary and a surgeon in 1746; but the characters of the medicines which appear in "Primitive Physic" do not conform to those employed by regular practitioners. This is a little matter which I have tried to clear up, but so far with no definite result. Wesley's prescriptions are intermediate in character, between those of the faculty and those to be found in the popular collections—such as Boyle's "Medicinal Experiments"—which were so common in the first part of the eighteenth century.

After Wesley's Death

this book did not undergo any further revision, but during his lifetime many changes were made by him. Copies of the first twenty-three editions are not often met with. It is unlikely, I think, that any one possesses a set. From a comparison of several of them, however, it is possible to trace most of the changes which he made. I cannot say how many recipes are in the first edition, of which I have not seen a copy; but the second edition—which was stated to be an enlarged one—contains 808. By the time the sixteenth (1774) was reached the figure had increased to 1,012. In 1780 there appears a great decrease, and the number is 824. John Wesley did not believe in permitting his readers to undertake the reading of his works without due guidance. He anticipated a very modern author in this respect. At the same time, as in this particular case, he did not always disclose fully the springs of his actions. The preface to the twentieth edition (1780) reads:—"Since the last correction of this tract, near twenty years ago [it was in 1760], abundance of objections have been made to several parts of it. These I have considered with all the attention which I was master of; and in consequence hereof, have now omitted many Articles, and altered many others. I have likewise added a considerable number of Medicines, several of which have been but lately discovered: and several (although they have been long in use) I had never tried before." The immediate, the cogent, cause of the reduction of the recipes by 20 per cent. and the emendation of a large number was the publication in 1776 of "An Examination of the Rev. Mr. John Wesley's Primitive Physic by W. Hawes, Apothecary." It is rather remarkable that it was only after an interval of thirty years that anyone should criticise a popular work which must have been sold in thousands. In any case, Hawes was too well known and too much esteemed in London to be treated cavalierly (a treatment Wesley was never guilty of), and Wesley duly amended his work. It should be said that in several instances Hawes commended Wesley's instructions.

Incompleteness

characterised my reflections on the subject of expiry dates on packed goods (*C. & D.*, December 22, p. 755), and I hasten to explain that it was not my intention to suggest that retail dealers are entitled as a matter of course to expect that date-expired goods should be credited or replaced to the full original value. All I meant to convey was that I believe it is customary for some allowance to be made in respect of date-expired packages. The extent of the allowance must obviously depend upon the generosity of the manufacturer, and possibly, to some extent, upon the circumstances of each particular case. We ought to avoid overstocking of goods supplied in packages bearing expiry dates, and expect to sustain loss if we fail to clear the stock in good time.

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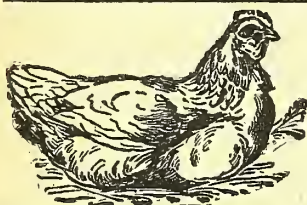
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Editorial Articles

The Use of Isopropyl Alcohol in the Manufacture of Essences

AN interesting question is raised by a subscriber to the *C. & D.*, who inquires whether the use of isopropyl alcohol is permissible in the manufacture of essences which are intended, after dilution, for use as beverages. Isopropyl alcohol is considerably more toxic than ethyl alcohol, and it is suggested—that on this ground, apart from any question of the infringement of the Sale of Food and Drugs Acts, the sale of essences prepared with isopropyl alcohol is undesirable. But in the degree of dilution in which such essences would be consumed it does not appear that the increased toxicity of the beverage, attributable to the relatively greater toxicity of isopropyl as compared with ethyl alcohol, would be material. The supply of an essence prepared with isopropyl alcohol in response to a demand for an essence prepared with ethyl alcohol is the supply of an article differing in nature, substance or quality from that demanded, and probably would be held to be to the prejudice of the purchaser. It is necessary, therefore, to consider whether a purchaser who demands an essence without specifying the formula from which it is prepared is demanding that the article supplied should be prepared with ethyl alcohol, or, in other words, whether there is any "standard" for essences. Certainly no standard is fixed by the British Pharmacopœia, but this does not settle the question, for in the absence of some acknowledged formula a court must decide on the evidence before it whether or not the article in question has acquired a standard. The British Pharmaceutical Codex contains formulas for two or three essences prepared from ethyl alcohol, and if these were asked for by the name used in the Codex, with the addition of words or the initials B.P.C., indicating that the Codex formula was to be followed, it would probably be an offence to supply an essence prepared with isopropyl alcohol. But if the initials B.P.C., or words referring to the Codex, were not used, the question becomes more difficult. Although the Codex has grown in reputation, it probably cannot yet be said that the mere use by the purchaser of the name used in the Codex to describe a given preparation is sufficient to cast upon the vendor the duty to supply the article named in the Codex unless in practice no other article were known to the public or the trade by that name, and in the latter event the inclusion of the article in the Codex would merely corroborate a practice capable of independent proof. As to the remaining essences for which no formula is given in the Codex, it seems probable that the use of isopropyl alcohol in their manufacture need not be avoided, and that the vendor of an article so prepared would not incur liability to conviction under the Sale of Food and Drugs Acts. It must be remembered, however, that in the present state of the law, and while so much may depend upon the differing views of different benches of justices upon questions of fact, it is never easy, and rarely possible, to speak with certainty upon such a question.

The Turpentine Market

WITH the turn of the year there has been a stronger feeling in American turpentine, with prices advancing to well beyond the closing level of December, or up to 49s. 3d. per cwt. for spot delivery. This was brought about by a notable further strengthening of the Trans-Atlantic position in consequence of constantly declining stocks at southern points, while the price at Savannah fluctuated to over 58½ cents per gallon. The outlook has certainly proved decidedly more interesting, of which ample indication was already given in our editorial columns of November 17 last (p. 606), in which we stated that "there is little doubt that a gradual further advance will be seen during the next few months, and this would become accentuated, given a revival of speculative enterprise." Underlying conditions are quite healthy, and so far as we can gather from a close survey of the general position, this forecast can be safely adhered to as to market possibilities over the remainder of the crop year, or until prospects for the next crop can be approximately ascertained. At least another few months must elapse before this point can begin to be tentatively discussed. Meanwhile, the surplus supplies available on either side of the Atlantic, which are of comparatively light dimensions, will probably be well absorbed. An increased demand in the United States, combined with a sharp contraction in the receipts, has dominated the market, which looks like growing more sensitive, since a certain amount of speculation has come into play, which has been encouraged by the more optimistic industrial outlook in spite of the enlarged production of cellulose paint. The competition of this product would not appear to have, so far, at any rate, seriously interfered with the normal consumption of turpentine. Some idea of the much improved statistical position is apparent from a trustworthy statement that by the close of the past year about 90 per cent. of the American crop yield was already disclosed in the open market, while it was estimated that the shrinkage in the out-turn compared with the preceding season amounted to approximately 18 per cent., which would represent well over 100,000 barrels. On this basis, an adjustment between supply and demand from the very large and excessive yield in the preceding campaign would admittedly seem to have been an easy matter. Statistical returns in this market covering the past year, with comparisons for the three previous years, are as follows:—

Barrels	1925	1926	1927	1928
London deliveries	88,568	105,841	116,185	102,007
London stocks (Dec. 31) ..	59,574	43,113	59,016	34,332
London landings and floats	nil	18,675	6,359	1,350
London total .. visible supply	59,574	64,788	65,375	35,682
Spot price on December 31 per cwt.	68s.	58s. 6d.	39s. 6d.	48s. 3d.

The deliveries for the years 1926 and 1927 were abnormally heavy, particularly for the latter year, which was the result of exceptional circumstances arising from big re-exports from this side almost entirely to Continental ports. This was due to supplies being obtainable at considerably below the parity of America and other distributing centres, and to the fact that on account of severe financial troubles in London many thousands of barrels had to be sacrificed at low prices. The total outgoings for last year at 102,007 barrels were fully 6,000 barrels in excess of the average for the last ten years, amounting to a little over 94,000 barrels; and under much reduced imports, totalling for the twelve months only 384,582 cwt., against 579,383 cwt. for 1927, the London visible stocks at the close of December were down to 35,682 barrels, or close on 30,000 barrels under the returns at the same date in the two preceding years. Since the beginning of this year fresh supplies of over 3,300 barrels have been shipped, and the deficit in the London visible supply was reduced

by roughly 4,000 barrels, the total being about 37,300 barrels, which is exceedingly light for the time of year, compared with several years past. They will not be sufficient to cope with prospective needs before shipments of new crop spirit are available on this side. This naturally suggests that London stocks in any case will eventually fall to low dimensions, so that supplementary supplies from America will not be so easily secured, except presumably under a higher range of values. As will be seen from the statistics given, London in recent years was very liberally supplied at this season, and could, therefore, afford to be more independent of fluctuations in the United States, but the situation this year is viewed in a different light, so that developments are more largely subject to trend of the market there. American consumers are more disposed to protect their needs into the early spring at a relatively low price, while there is always a possibility of the new crop movement being delayed over that period. The London spot price within the past year gained about 5s. 6d. per cwt., on balance, allowing for the inclusion of the duty, while indicating an appreciation of about 8s. 6d. from the lowest of the year, which was about 40s. per cwt.

The Sale of Spirituous Medicines

THE privileged position of chemists as vendors of medicines containing relatively high proportions of alcohol is, it appears, insufficiently appreciated by several of our subscribers, though it is set forth annually in *The Chemist and Druggist Diary*. A few weeks ago we had occasion to reply, under the heading "Legal Queries," to a correspondent, who asked whether it is illegal for a small general shopkeeper to sell such preparations as tincture of iodine and sweet spirit of nitre without a licence, and, if so, what kind of licence is necessary. In the course of a reply, extending to nineteen lines, we explained that the requisite licence would be a licence to retail spirits. Another subscriber, reading this reply, wrote: "Would it be possible for an unqualified trader to obtain such a licence, where would he apply for it, and how much would it cost? Further, what is the position of unqualified drug stores whose proprietors are unqualified men who have served a proper apprenticeship, or who have a 'Hall' certificate, in regard to the sale of any spirituous medicine such as spt. camph., tinct. card. co., tinct. rhei. co., etc.; is this also really illegal trading?" More than twenty years ago (*C. & D.*, 1908, I, 637) we requested the Board of Inland Revenue, which at that time was administering the sale of spirits in this country, to confirm our reading of Section 12 of the Act of 1742; and we received the following reply:—

"I am directed by the Board of Inland Revenue to acquaint you that while a spirit licence is not required for the sale of spirits of nitre or other medicated spirits by registered chemists and druggists, the sale of such articles without a licence by a person who is not a registered chemist or druggist is not allowed."

This definite ruling means that any shopkeeper other than a duly registered chemist and druggist wishing to sell spirit mixtures such as these named would require to hold an Excise licence to sell spirits by retail, and this he could only get if he held the justices' licence. This licence is granted annually at the licensing sessions in February of each year; it is, in fact, the licence held by the owner of a public house. The cost is half the annual value of the premises licensed, and, in addition, the licensee is charged the assessed monopoly value of the licence, which is roughly the amount of the addition to the value of the premises due to the fact that a licence is attached to them. Such shopkeepers, as we have just shown, have not the privilege of unlicensed sale; and it is immaterial for this purpose that the proprietors have either served a regular apprenticeship or hold the "Hall" certificate. It has to be kept in mind that the Act of 1742 extends only to "physicians, apothecaries, surgeons, or chemists, as to any spirits or spirituous liquors which they may use in the preparation or making up of medicines for sick, lame or distempered persons only."

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students," "The Chemist and Druggist," 42 Cannon Street, London, E.C.4."

(Concluded from C. & D., January 12, p. 47.)

TO CORRESPONDENTS

J. G. HAWORTH.—Your report was the only one in which the presence of a trace of carbonate was mentioned.

R. V. MOORE.—Note that the non-formation of a precipitate when ammonium chloride and excess of ammonia are added to the filtrate from the acetate separation of the phosphoric radical does not prove the absence of aluminium. In the way in which you carried out the separation, if any aluminium or iron had been present in the original powder, these, along with the iron added as ferric chloride, would have been entirely removed in the phosphate and basic acetate precipitate.

B. V. J.—A large proportion of the powder dissolved readily in cold water. You should have tested for the possible presence of manganese in the zinc-group precipitate.

CANTAB.—As you may observe from the figures given previously, the proportion of calcium was considerable. Note that the solubility of calcium sulphate in water at ordinary temperatures is such that the total quantity of this salt present in the portion of the powder supplied to you could have been dissolved by about 150 c.c. It is unsafe to conclude from the colour of the precipitate only, that a zinc-group precipitate does not contain manganese in appreciable quantity.

SEMPER SERSUM.—If you succeeded in obtaining the odour of chlorine on heating the powder with manganese dioxide and sulphuric acid, you may take it that chloride was present in the dioxide, as it very frequently is.

TRAPS.—The tests for tartrate and citrate by means of calcium chloride are liable to yield doubtful results, and they should always be supplemented by some of the characteristic special tests for each.

RAML.—Evolution of hydrogen sulphide on treating with hydrochloric acid the residue after heating the powder on charcoal, only indicated the presence of sulphur in some form, and was not a confirmation of a sulphate. The observations supposed to indicate the presence of an oxalate were not obtained on repetition of the tests.

MEZEREON.—The colour reaction which you attributed to lithium was really due to calcium, but we are not able to account for the precipitation test in which you thought you obtained confirmation of lithium.

RESURGAM.—You reported copper on exceedingly slender evidence, and in spite of the fact which you reported yourself that hydrogen sulphide yielded no precipitate.

TECH.—The odour which suggested sulphur dioxide, noted when the powder was heated with concentrated hydrochloric acid, was that of hydrochloric acid driven off by the heating. Sulphite was not present.

GLYCYRRHIZA.—Acidify with nitric acid the solution in which you test for halogen acids by means of silver nitrate.

DOT.—The precipitate which you took to be calcium citrate no doubt consisted of calcium sulphate.

METROPOLIS.—We are entirely at a loss to understand how you obtained reactions which in any respect resembled those of a chlorate; also how you failed in the detection both of zinc and of calcium.

RUDEBURT.—Had you tried the effect of heating the powder with dilute sulphuric acid and dilute solution of potassium permanganate you would have found that the latter was not decolorised, and that, therefore, oxalate could not be present.

D.O.R.A.—It is not correct to associate crystalline substances necessarily with the presence of "water of crystallisation": many crystalline salts are entirely devoid of this. You would benefit by making up a mixture in imitation of that supplied and practising upon it until fully acquainted with its behaviour with the various group and other reagents.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

Dewsbury.—On January 10 the Dewsbury Insurance Committee had a matter before them relative to "alleged slackness" on the part of local chemists in dispensing prescriptions. The Pharmaceutical Service Subcommittee reported that, with regard to test sample No. 46, the firm of chemists had been notified to send a representative to attend before the Subcommittee. The manager of the shop attended and gave evidence. The report of the analyst showed that there was an excess of 4.7 per cent. of acid. sulph. dil., and that, although 8 oz. of medicine had been prescribed, 15.77 oz. had been supplied. The manager explained that at the time of dispensing the prescription she had not been well, and was informed that there was a prescription for a 16-oz. medicine to be dispensed. When the agent called, she proceeded to dispense the medicine without again looking at the prescription. She discovered the error immediately after the agent had left, and informed the clerk to the Committee of the mistake she had made. The Subcommittee recommended that the sum of £1 be withheld, and that the firm be warned to be more careful in future. It was reported, with regard to test sample medicine No. 47, that the firm of chemists had been notified to send a representative. The manager attended and gave evidence. The report of the analyst showed that, although 8 oz. of medicine had been prescribed, 16.12 oz. had been supplied. The manager explained that the medicine was dispensed by his assistant, who informed him that a 16-oz. medicine had been prescribed. He checked the poison, but did not scrutinise the prescription. After the medicine had been dispensed he discovered the inaccuracy. The Subcommittee decided that a similar action to that recommended in the preceding case be taken. Dr. G. H. L. Hammerton said he was glad that that matter had been taken up, because, in his opinion, there was a good deal of slackness in the district in dispensing prescriptions, as far as quantities were concerned at all events. The chairman wished to point out that three cases out of forty-eight medicines tested was not a large proportion of mistakes. Dr. Hammerton: I did not say a large proportion, but there certainly is slackness. The minutes were adopted.

Wolverhampton.—At the annual meeting of the Insurance Committee the following figures relating to the area were given:—203,000 prescriptions were dispensed, the cost per insured person being 3s. 1d. The insured population was 53,000. The cost of medical benefit was £28,459, and the number of chemists on the panel twenty-nine.

R.P.U. Memorandum

Under the date January 14, Mr. G. A. Mallinson, secretary of the Retail Pharmacists' Union, has issued to secretaries of Pharmaceutical Committees and branches of the Union a "Memorandum concerning the misleading letter issued by the Medical Practitioners' Union, dated January 1929." The principal passages are as follows:—

The responsible body acting for doctors in connection with N.H.I. affairs is the British Medical Association, and here again there is no quarrel between them and the official body representing chemists. . . . It is an absolute lie for the Medical Practitioners' Union to say that "the amount of medicine for the insured is strictly conditioned by what is left over after a working profit is provided for the pharmacists." The payments to chemists are always two months in arrears, and it is difficult therefore to see how supplies could be trimmed to meet the money; but a more atrocious misstatement, and one more calculated to make insured persons dissatisfied it is impossible to conceive. The harm done to chemists and to the Insurance Act administration by such statements cannot be estimated. It is a thousand pities that a medical body should be incapable of realising their responsibility to such an extent, but to make the further misstatement that the dispenser has the power of deciding what is proper and sufficient medicine for an insured person leaves no room for doubt that the attitude of the Medical Practitioners' Union is selfishly malicious.

Pharmaceutical Society of Great Britain

Examination Results

The following are the results of the examinations held in London during the present month:—

	No.	PRELIMINARY SCIENTIFIC				CHEMIST AND DRUGGIST QUALIFYING			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination ..	8	5	1	—	2	2	—	—	—
Entered for C. and D., and referred subject in Prelim. Sc. ..	15	2	—	3	10	2	7	1	—
Entered for Prelim. Sc. only	263	18	117	56	72	—	—	—	—
Referred subject in Prelim. Sc. only ..	100	1	—	26	73	—	—	—	—
Entered for Chemist and Druggist only	185	—	—	—	—	14	98	41	32
Referred subject in Chemist and Druggist	126	—	—	—	—	3	—	50	73
	697	26	118	85	157	21	105	92	105

Referred in one subject:—Botany, 37; chemistry, 35; physics, 13; pharmacognosy, 16; pharmacy, 62; pharmaceutical chemistry, 11; forensic pharmacy, 3; total, 177.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners in this examination, have been registered as chemists and druggists:—

Ashworth, H. W., Todmorden	Forge, Marguerite F., Highgate
Baker, Sidney, Oldham	Golden, Celia M., Levenshulme
Baxter, W. L., Liverpool	Grocott, E. J., Wem
Blackshaw, G. W., Ilkeston	Harding, J. O., Caversham
Blyth, G. H., Fokingham	Harris, L. C., Leamington
Bowen, A. J., Leytonstone	Harriott, R. A., Southsea
Bradshaw, Harold, Preston	Haynes, J. B., Parkstone
Butt, K. C. F., Bristol	Heavey, Henrietta, Streatham
Buxton, J., Burton-on-Trent	Hickman, A. M., Newbury
Carpenter, L. G., Exmouth	Higgins, C. N., Salisbury
Churchard, E. J. H., Deal	Howley, James, Accrington
Churchfield, C. E., Soho	Hume, F. H., Huyton
Clay, Nellie E., Tottenham	Jackson, Anne G., Manchester
Clifford, J. G., Mansfield	Jackson, R. N., Castleford
Coates, G. W., Coalville	James, Ilid G., Merthyr Tydvil
Cohen, H., Maida Vale	Johnson, E. B., Portsea
Cole, Maurice, Portsmouth	Jones, J. R., Carnarvon
Coulthard, Hilda H., Sawston	Jones, W. E., Penygroes
Cowgill, Stanley, Disley	Kandiah, Velluppillai, Trincomalie
Clowes, J. W., St. Helens	Kelly, Henry, Preston
Coombe, F. S., Dronfield	Kempson, F. L., Eastbourne
Davies, E. G., Penmaenmawr	Kessel, Benjamin, Prestoria
Davies, George, St. Davids	Kimmance, G. W., Bootle
Davies, G. E., Llandilo	Laviers, C., Barry Isle
Davies, Trevor, Morriston	Letcher, Dora E. J., Truro
Dufton, F. H., Leicester	Linton, R. J., Bath
Dyson, Jack, Slaithwaite	Mann, W. L., Seaford
Eadie, John, Southampton	Maxwell, T. H., Kirkham
Earp, W. J., Prestbury	
Evans, J. A., Gorseinon	
Firth, G. G., Grimsby	
Fisher, F. S., Reading	

Merifield, J. A., Chesterfield
Milton, G. H., Crewe
Morgan, Dorothy I., Leeds
Morison, E. S., Johannesburg
Mumford, R. G., South Tottenham
Nall, Sarah T., Milnrow
Neave, C. A., Catford
Newson, Marjorie K., Twickenham
Nicholas, Hertha H. M., Liverpool
Norrick, H. A., Cape Town
Owen, F. A., Balham
Paine, E. A., Islington
Parry, Llewelyn, Abergel
Pearce, P. J., St. Ives
Pulvertaft, Mary, Kensington
Ralling, Kathleen B., Hastings
Read, A. E. E., Norwich
Roberts, D. G. P., Croydon
Robins, A. H., Mossel Bay
Robinson, H., Stalybridge
Saunders, S. W., Limehouse

Scourfield, C. T., Merthyr Tydvil
Shaw, J. I., Netherton
Shepherd, R. J. S., Gloucester
Smith, S. J., Salisbury
Spencer, A. M., Port Talbot
Spilman, Doris E., Hull
Stone, E. G. A., Gorleston
Stone, Philip, Leicester
Taylor, Max, Leeds
Thomas, C. E., Nuneaton
Thomson, W. E. M., Llandudno
Tippen, E. A., Tonbridge
Vickery, W. H., Norwich
Wakefield, B. J., Leicester
Watson, A. A., Folkestone
Wherly, C. C., Middlesbrough
White, W. D., Swindon
Wiggin, F. W., Ipswich
Williams, A. H., Merthyr Tydvil
Williams, Austin, Pontypridd
Williams, D. J., Cardiff
Wood, Eli, Golcar
Wood, Harold, Brighouse
Yousif, Fowzi G., Moseley

Glyn-Jones Memorial Fund

We have received from the Pharmaceutical Society a fourth list of subscribers to the Glyn-Jones Memorial Fund, comprising the following contributions:—One of £52 10s., one of £50, three of £26 5s., one of £21, one of £16 16s., one of £15 15s., nine of £10 10s., one of £10, twelve of £5 5s., two of £5, three of £3 3s., one of £3, forty-one of £2 2s., three of £2, 116 of £1 1s., twenty-two of £1, sixty-two of 10s. 6d., thirty-two of 10s., three of 7s. 6d., one of 5s. 6d., twenty-four of 5s., one of 3s., and five of 2s. 6d. These sums amount to £717 7s. 6d., making, with previous lists, a total of £2,304 5s. 10d.

New Books

Wardlaw, W., and Pinkard, F. W.—*Qualitative Analysis*. 5 in. by 7½ in. Pp. xii + 166. 3s. 6d. Longmans, Green & Co., Ltd., 39 Paternoster Row, London, E.C.4. [This book is suitable for students preparing for Intermediate and Final degree examinations and for Higher School Certificate examinations, as well as for general laboratory use. Reference to the rarer metals and the less common acid radicals has been omitted to allow more comprehensive treatment of those likely to be more frequently encountered.]

Haworth, W. N.—*The Constitution of Sugars*. 9½ in. by 6 in. Pp. 100. 8s. 6d. Edward Arnold & Co., 41-43 Maddox Street, London W.1. [The author, who is professor of chemistry and director of the department of chemistry in the University of Birmingham, gives in this volume a concise account of the experimental work on which the new constitutional formulæ of sugar are founded. The introductory chapters review the reactions and the older formulæ, the properties of lactones considered in relation to ring structure, inconsistencies in the older formulæ of sugars and their methyl derivations, methylated lactones and their relation to the structure of sugars. Separate chapters are devoted to the pyranose series, furanose series, acetone compounds and sugar carbonates, reducing disaccharides, sucrose and the trisaccharides, and the polysaccharides respectively. The subject-matter is illustrated by figures in the text, and two plates showing atom models of sugars and conformations of complex models. An author index and subject index are provided, and references to the literature on the subject are given.]

Business Changes

MR. F. R. SMITH, chemist and druggist, has taken over the Catford Mineral Water Co., 21 Napier Road, Bromley.

THE address of the British Harold F. Ritchie & Co., Ltd., is now 160 Piccadilly, London, W.1. Telephone: Regent 0408.

MR. S. W. STRACHAN, Ph.C., 31 Tavistock Street, Bedford, has opened a new pharmacy at 109 Bromham Road, Bedford.

MR. H. G. ALDERSON, chemist and druggist, has acquired the pharmacy of the late Mr. Napier Gibb, The Parade, Bourne End.

TAYLORS (CASH CHEMISTS) TRUST, LTD., have taken over the thirteen retail shops of J. & J. Thompson & Co., Ltd., Oldham, as from January 14.

MR. J. A. GEORGE, chemist and druggist, has disposed of his business in Broomhall Street, Sheffield, and it is now being carried on as the Evlyn Pharmacy.

MR. J. F. WATTS, chemist and druggist, has taken over the business of Jones (Mexborough), Ltd., Bridge Street, Swinton, Rotherham. [Corrected note.]

MR. JOHN COOMBS, J.P., chemist and druggist, Elstree, has passed the examinations of the Worshipful Company of Spectacle Makers, and is commencing an optical business in Elstree.

MR. H. W. GRAESSER-THOMAS is trading on his own account at 49 Leadenhall Street, E.C.3, in fine chemicals and products for the confectionery, perfumery and mineral water industries.

THE YORKSHIRE TAR DISTILLERS, LTD., Leeds, have opened a London office at 60 Billiter Buildings, Billiter Street, E.C.3. Mr. W. H. Graesser-Thomas has been appointed London representative.

Sandalwood Oils

K. VENKATESAIA and H. E. Watson, of the Department of General Chemistry, Indian Institute of Science, have published a paper on the constitution of West Australian sandalwood oil ("Chemistry and Industry," November 2, 1928). This paper, in view of the detailed investigation being now made by Mr. A. R. Penfold, is only intended to point out the differences existing between the East Indian and the Australian oils and to controvert statements as to their identity or similarity of a misleading nature, based on insufficient experimental evidence. West Australian oil now marketed has, owing to fractionation and blending with oil of *Santalum lanceolatum*, approximately the physical constants required by the B.P. for East Indian sandalwood oil. Experiments conducted by May ("Pharmaceutical Journal," 1928, I, 368) lead him to the conclusion that the evidence is not sufficient to show whether the alcohols in the Australian oil are santalols, but they show a striking resemblance. May, however, used an abnormal sample of East Indian oil, having a rotation of -15.5° for this comparison. In connection with this, it may be pointed out that no oil has been produced from Mysore in recent years with a rotation of less than -17° , and of sixty recent samples, representing forty-three tons of oil, only seven, representing 4.4 tons, had a rotation of between -17° and -18° , the mean value being -18.52° . May obtained three samples of Australian oil with negative rotations by fractionation at unstated temperatures and pressure. One of these contained 99.9 per cent. of alcohols, and he suggests that this sample was a mixture of santalols. As, however, the density of this sample was less than that of either santalol, it follows that his assumption was not correct, although it is possible that the santalols were constituents of the mixture. Most writers have only considered the question of the rotation of the oil, and have neglected the density almost entirely. It would seem likely that the density may prove more important in characterising the alcohols, as that of the Australian oils is invariably lower than that of the Indian. The following figures show that the main constituents of the two oils are by no means identical. A sample of Aus-

tralian oil purchased in the London market, and a normal sample of Mysore oil from Bangalore, were analysed and saponified; 190 gm. of each was fractionated at 7 mm., using a three-bulb column. Two fractions, each boiling within 2° , were simultaneously redistilled, in order to make quite sure of the relative boiling points, and a small correction (1°) applied to the original boiling point. The temperatures recorded are uncorrected, the stem correction being approximately 2° . Table I gives, in addition to their constants, the constants of the santalols (Paolini and Divizia, "Att. R. Acad. Lin.," 1924, 23, 226). The East Indian oil contained 93 per cent. and the Australian 96 per cent. of alcohols calculated as $C_{15}H_{21}O$.

TABLE I

Constant	W.A. Oil	E. Ind Oil	α -Santalol	β -Santalol
d_{30}^{30}	0.9646	0.9705	0.9724	0.9663
n_D^{25}	-15.0°	-18.3°	$+1.1^\circ$	-42.0°
n_D^{25}	1.5056	1.5050	1.4968	1.5067
B.P. (7mm.)	—	—	153°	162°

TABLE II
(Fractionation of Saponified Oil)
East Indian Oil

Fraction	B.P.	Weight (gm.)	Rotation	d_{30}^{30}
1	120-130(1)	7.9	—	0.9738
2	130-140(1)	3.0	—	0.9959
3	140-150(1)	6.6	-19.4	0.9843
4	150-154	9.0	-14.4	0.9884
5	154-155	18.1	-13.9	0.9778
6	154-155	20.6	-14.2	0.9773
7	154-155	18.2	-16.1	0.9771
8	155-156	18.0	-17.8	0.9774
9	155-156	14.5	-20.5	0.9747
10	155-156	15.4	-24.2	0.9759
11	156-157	12.7	-30.0	0.9789
12	157-160	8.7	-35.1	0.9864
13	res.	34.3	—	—

West Australian Oil

Fraction	B.P.	Weight (gm.)	Rotation	d_{30}^{30}
1	120-130(2)	0.7	—	—
2	128-138	9.8	-10.6	0.9354
3	138-147	2.1	—	—
4	147-152	7.2	-11.3	0.9541
5	152-157	17.1	-11.9	0.9646
6	157-159	42.0	-14.1	0.9612
7	159-161	16.3	-16.4	0.9620
8	159-161	10.8	-18.2	0.9674
9	161-165	15.0	-20.3	0.9678
10	165-167	16.6	-22.3	0.9667
11	167-169	7.5	-25.0	0.9786
12	172-180	15.4	-17.4	0.9767
13	res.	29.5	—	—

(1) 17 mm.

(2) 15 mm.

Comment is scarcely necessary, as it is clear that the main constituents of the oils are very different. That part of the Australian oil with a high negative rotation has a higher boiling point than santalol. Fractions 4 to 8 of the Australian oil, which make up about 50 per cent. of the oil, may contain one or both santalols, but if the proportion of santalol is of any magnitude, alcohol of exceedingly low density must be present.

COPAL FROM SIERRA LEONE.—In the "Board of Trade Journal," of December 27, 1928, the following notice appears: "Order-in-Council No. 18 of 1928, dated November 5, 1928, prohibits the exportation from the Colony or Protectorate of Sierra Leone of gum copal for a period of three years as from January 1, 1929."

AUTOMATIC MACHINES IN TRAINS.—"The Times" of January 15 and "The Daily Chronicle" of January 16 gave publicity to an apparently "inspired" statement that familiar medicines are to be supplied "on" the long-distance trains of the London and North Eastern Railway by means of automatic machines. The list given in the "Chronicle" is:—Aspirin, cascara, quinine, mint preparations, cold cures, lozenges, smelling-salts.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, January 17

In the pharmaceutical group of chemicals there is a steady flow of business, practically the only change being a reduction in sulphonal. Aspirin is in fair demand, and benzonaphthol is rather cheaper. Milk sugar is firmer. Interest in crude drugs has centred in the auctions. Privately higher prices have been paid for grey Jamaica sarsaparilla from dealers' hands; good chamomiles are firm and scarce; ergot is quiet. Aromatic seeds continue to show firmness, although little business is passing. Cod-liver oil is neglected, with an easy undertone. Among the industrial chemicals a fair amount of business is being done, with no important changes in values. Acetone continues firm, and barium chloride continues in very short supply. Carbolic acid and cresylic acid are in good demand from the makers at firm prices. Formaldehyde is firmer. Among the vegetable oils, a few items are easier, with business generally slow in most quarters. Acid oils, castor, coconut and rape oils are among the items which have declined. Palm has fluctuated considerably, closing unsteady; and linseed has been irregular. Turpentine has lost ground on a slow demand. Olive is cheaper. In essential oils there is still a marked absence of orders. Wormseed is firmer, but bergamot, lemon and Japanese dementholised peppermint are all easier.

Higher	Firmer	Easier	Lower
Cloves (Zanzibar)	Formaldehyde	Acid oils	Benzonaphthol
Ipecacuanha	Milk-sugar	Bergamot oil	Buchu
(Matto Grosso)	Wormseed oil (c.i.f.)	Cadmium	Olive oil
Menthol		Castor oil	Shellac
Rubber		Coconut oil	Sulphonal
Sarsaparilla (grey Jamaica)		Cod-liver oil	Turpentine
		Lemon oil	
		Peppermint oil (Jp.)	
		Rape oil	

Crude Drugs, etc.

AGAR-AGAR is quiet at 4s. 3d. per lb. on the spot for No. 1 Kobe, and for shipment 3s. 10d. c.i.f. is quoted.

ANTIMONY has been very quiet and on the easy side for Chinese, which is hardly worth more than £38 on the spot. Terms for shipment are now £37 10s. c.i.f. English refined ranges from £54 to £55 per ton. Chinese crude is nominally £33 on the spot. English white oxide ranges well upward of £56 per ton.

BALSAM TOLU.—Spot supplies offer at 4s. 3d. per lb., and to arrive 4s. 2d. c.i.f. is quoted.

CADMIUM has been easier, partly because of the dullness of demand. The quantities available for early delivery are limited, but there has been a little more competition between Australian and Canadian importers, and spot values are now near 4s. 3d. per lb., while orders for forward arrival might be arranged at 2d. less. About 11,760 lb. came in lately from Canada and nearly 9,000 lb. from Australia.

CAMPHOR (REFINED).—Japanese slabs are quiet at 2s. 3d. per lb., and for January-March shipment 2s. 2d. c.i.f. is quoted; ½-oz. tablets are 2s. 11d. on the spot, and flowers 2s. 6d. per lb.

CHAMOMILES.—Good Belgian white of the new crop is firm and scarce at from 275s. to 280s. per cwt. on the spot.

CINCHONA.—At auction at Amsterdam, 1,181 packages offered (1,069 bales and 112 cases), weighing 45,005 kilos., and containing 964 kilos. quinine sulphate. Of this quantity, 536 bales and 112 cases, weighing 25,035 kilos., with a quinine content of 530 kilos., sold at from 42½c. to 84c. per half-kilo.

CLOVES.—Zanzibar are much dearer, with spot sales at from 1s. 4d. to 1s. 5½d. per lb.; to arrive, the sales include December-February shipment at 1s. 4d. to 1s. 5½d. per lb. c.i.f. Also January-March, at from 1s. 5½d. to 1s. 5½d. c.i.f. Madagascar on spot have been sold up to 1s. 5½d. The landings of Zanzibar in London during the week ending January 12 were nil and the deliveries 102, leaving a stock of 2,427, against 11,646 in 1928 and 7,105 in 1927. The

landings at Madagascar during the week ending January 12 were nil and the deliveries 26, leaving a stock of 2,774.

COCOA BUTTER.—CFR is quoted at 1s. 5½d. per lb. on the spot, and prime English at 1s. 3½d. to 1s. 4½d., in not less than one-ton lots.

COD-LIVER OIL.—At the moment the demand is retail; with an easy undertone; agents offering finest 1928 non-freezing steam-refined Lofoten oil at 135s. per barrel c.i.f.

BERGEN, January 14.—The market continues dull, with a falling tendency. Non-freezing steam-refined cod-liver oil is now quoted at 135s. per barrel, c.i.f. London. The new codfishery at Lofoten will probably commence in a week or two.

CORN PRODUCTS, ETC.—Guaranteed water-white American glucose (corn syrup) is 22s. per cwt. for January-March delivery, ex store London. Dutch maize starch powder (cornflour) is 15s. 3d. per cwt. on the spot. American is 15s. 9d. per cwt., ex store London, for January-March delivery. Pearl starch is 15s. 3d. for January-March, ex store, London. Dutch maize starch crystals is 21s. 6d. on the spot, and American is 19s. 6d., ex store, London, for January-March delivery. Dutch dextrin is quoted at 22s. to 26s. per cwt. on the spot as to quality. American canary for January-March delivery is 18s. 7½d. White for January-March delivery is 18s. 4½d., ex store, London. Dutch farina is quoted at 14s. 6d. per cwt. on the spot, and to arrive 13s. 6d. per cwt. f.o.b. is quoted.

ERGOT is quiet, with bold Russian offering at 1s. 3d. per lb. on the spot. Sound Spanish is quoted at 2s. 9d., and sound Portuguese at 2s. 5d. per lb. on the spot.

GINGER is quiet. West African is offered at from 52s. to 53s. per cwt. on the spot, and at 50s. c.i.f. to arrive.

LIQUORICE ROOT is quiet, with natural offering at 18s. 6d. per cwt. on the spot.

MAGNESIUM is steady, with a fair demand at from 3s. 3d. to 3s. 9d. for small ingots and sticks and bars. Quotations for wire ranged from 7s. 6d. to 12s. 6d. per lb., and terms for powder varied from about 4s. 6d. to 7s. per lb.

MENTHOL has fluctuated, declining to 21s. 6d. per lb. on the spot for Kobayashi-Suzuki on Friday last; but on Tuesday the market had recovered to 22s. 9d., and closed on Wednesday at 23s., with buyers at 22s. 6d.; sales to arrive include afloat at 21s. 6d. c.i.f.; January-March shipment at 19s. 9d. to 19s. 3d. to 19s. 9d. c.i.f.; sellers on Tuesday quoting 20s. 9d. c.i.f.

MERCURY.—After being slow, with prices giving way slightly, the market has attracted rather more demand, with sales reported for the Eastern markets, including 200 bottles for Japan. Purchases were also made for America on a certain scale. The home trade demand, however, is still very light, and current quotations on the spot range from £22 2s. 6d. to £22 5s. per bottle, less the usual discount. U.K. imports for December were only 279 bottles, against 2,768 bottles for December, 1927. The total for the year was 33,595 bottles, against 18,905 bottles for 1927. It is expected that receipts will continue light for January and perhaps also next month, and meanwhile there is an ample stock available held in strong hands. The f.o.b. price quoted by the selling office of the Combine is still at £21 15s. per bottle.

PEPPER shows little change, fair black Singapore closing on the spot at 1s. 5½d., and January-March shipment at 1s. 4d. c.i.f. Lampong is 1s. 5d. spot, and October-December shipment has been sold at 1s. 4d. to 1s. 4½d., and January-March at 1s. 4d. to 1s. 4½d. to 1s. 4d. c.i.f. Tellicherry is 1s. 7½d. spot and January-March shipment is higher at 142s. c.i.f., which has been paid. Alleppy is 1s. 6½d. spot and January-March is dearer at 140s. c.i.f., at which business has been done. White Muntok closes at 2s. per lb. on the spot; sales to arrive include October-December shipment at 1s. 11½d. to 1s. 11½d. c.i.f., and January-March at 2s. to 1s. 11½d. to 1s. 11½d. c.i.f.

PIMENTO is steady at 1s. 1d. per lb. on the spot, and for January-February shipment value is 117s. 6d. per cwt. c.i.f.

RUBBER.—The position has undergone a radical change since our last, inasmuch that spot, which last week stood at 9½d. per lb., rose at one period to 11½d., and after wild fluctuations dropped to 9½d. The better tone mentioned by us last week as due to the heavy covering of the January position, has been fully confirmed by the events of the past few days. It was discovered that the market was heavily oversold in all positions, and as the sellers of most of this rubber had to default, a period of exciting buying took place. Whilst dealers had to cover their previous purchases owing to the default, the market remained very firm, but once this buying was accomplished prices eased considerably. The financial trouble will influence the future trend of this market until the position is cleared up. Arrivals last week totalled 2,837 tons, whilst deliveries were 1,824 tons, showing a further increase of 1,063 tons in the stocks. The London stock now stands at 23,016 tons.

against 65,524 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.), No. 1 standard ribbed smoked sheet, spot and January, 93d.; February/March, 10d.; April/June, 10½d.; July/September, 10½d. per lb.

SEEDS.—With very little business passing prices continue to show firmness. ANISE.—Spanish is 62s. 6d. and Russian 27s. per cwt. CANARY.—Although the market is firm very little interest is shown. Mazagan is 19s. 6d. to 19s. 9d. spot, and forward is quoted at 19s. 9d. c.i.f. CARAWAY.—Dutch is on offer at 36s. c.i.f. for prompt shipment, and 36s. 3d. per cwt. c.i.f. for January-March shipment. CUMIN.—Maltese is 54s. spot, and 45s. c.i.f. is quoted forward. Morocco is 45s. 6d. spot, and 44s. 6d. c.i.f. for forward shipment. CORIANDER.—Morocco is 17s. 6d. spot, and 16s. 3d. c.i.f. is quoted for forward shipment. FENUGREEK.—Morocco is 18s. spot, and 17s. 3d. c.i.f. is quoted for forward shipment. HEMP.—Manchurian is 20s. and Chilean 21s. 3d. on the spot. LINSEED.—Mazagan is 19s. 6d. spot and 19s. c.i.f. for forward. MUSTARD.—English is 30s. to 32s. 6d. spot. FENNEL.—Indian is 69s. per cwt. spot, and 62s. c.i.f. is quoted forward.

SHELLAC is cheaper, usual standard TN orange closing at 190s. per cwt. on the spot; fine orange is 215s. to 320s.; pure button, 235s.; and A.C. cakey, 215s. To arrive, sales of TN for January-February shipment have been made at 177s. 6d. per cwt. c.i.f. The sales for delivery include March at 185s. to 180s., and May at 182s. to 179s. to 176s.

VANILLA.—With considerable supplies on the spot the market is weak. Bourbon firsts offer at 8s. per lb.

WAX (VEGETABLE).—Japanese is steady at 86s. per cwt. on the spot, and for shipment sellers quote 80s. c.i.f.

WORMSEED.—The "Domala" from Karachi has brought 1,716 bags *artemisia maritima* to London.

Essential Oils

The Board of Trade statistics for the past year show an increase in the quantity and value of imports, but re-exports have declined, though it is pleasing to note that the value of these shows a proportionate gain. Changes in value are unimportant, wormseed for shipment being firmer, while bergamot, lemon and Japanese dementholised peppermint are on the easy side.

The following are the quantities and values of natural essential oils (other than turpentine) imported into and re-exported from Great Britain during December, 1928, compared with the same months in 1926 and in 1927, also for the twelve months ending December in the respective years:—

		1926	1927	1928
Dec. imports (other than turpentine)	lb.	327,265	406,853	389,972
	value	£9,565	£86,339	£107,584
Jan.-Dec. imports	do. lb.	4,258,800	3,997,635	4,378,316
	value	£1,326,31	£1,101,351	£1,200,466
Dec. re-exports	do. lb.	81,628	127,313	69,148
	value	£56,423	£27,734	£27,169
Jan.-Dec. do.	do. lb.	855,600	830,569	780,108
	value	£341,922	£306,212	£305,195

ANISE (STAR).—"Red Ship" is unchanged on the spot at 2s. 6d. per lb. for leads or cases, and very little business is passing.

BERGAMOT still lacks interest and is quoted at 20s. 6d. to 21s. per lb. c.i.f. and 21s. to 21s. 6d. on the spot for 37-38 per cent. l.a.

CASSIA.—Spot supplies are available at 5s. 3d. per lb., although 5s. 5d. was paid at the close of last week. The position forward is neglected at 4s. 9d. per lb. c.i.f. for guaranteed 80-85 per cent. oil.

CINNAMON LEAF is unchanged at 7s. per lb. spot.

CITRONELLA.—Firmness is probable on account of the small shipments made during December. The exports from Java during 1928 are estimated at 1,064 tons, against 1,313 tons in 1927. Java is still selling at 1s. 11d. per lb. on the spot, though 2s. c.i.f. appears to be the lowest offer for shipment. Ceylon is rather weak at 1s. 7d. per lb. c.i.f. and 1s. 8½d. on the spot.

CLOVE.—Small quantities of oil distilled in Madagascar are on the market, and these, together with second hand parcels of English oil and the weakness in the spice itself, have created an easier position. From first hands English distilled is quoted 10s., with other sellers offering at 8s. 6d.

DILL is inclined easier at 9s. per lb. on the spot for Continental oil of B.P. quality.

EUCALYPTUS is quoted 1s. 10d. per lb. for 70-75 per cent. and 2s. for 80-85 per cent., but these values are nominal in the absence of live demand.

GERANIUM is unchanged. Bourbon is worth 18s. 6d. per lb. on the spot, while Algerian is quoted at 16s. 6d.

LEMON.—Sicilian is a shade easier for shipment at 13s. 6d. to 13s. 8d. per lb. c.i.f. The spot value is about 14s. per lb.

LIME is firm at 29s. per lb. on the spot for West Indian distilled. Hand-pressed is mentioned at 60s. per lb., but this is nominal.

ORANGE is still neglected at quotations ranging from 18s. 9d. to 19s. per lb. for the best brand of Sicilian sweet. For shipment 19s. to 19s. 6d. per lb. c.i.f. is general. West Indian is quoted 18s. per lb. Spanish oil is quoted at 17s. per lb. c.i.f. and is given as 18s. 6d. on the spot.

PEPPERMINT.—Japanese dementholised is slightly easier at 7s. 4½d. per lb. on the spot for Kobayashi-Suzuki and 7s. 3d. for five brands. For January-March shipment Kobayashi-Suzuki fluctuates from 6s. 10½d. to 7s. 1½d. c.i.f., but has fallen away again to 7s. per lb. c.i.f. American natural tin oil is just perceptibly firmer at 14s. to 14s. 3d. per lb. on the spot, with shipment values from 13s. 9d. to 14s. per lb. c.i.f.

VETIVER is in slightly better demand at 19s. 6d. to 20s. per lb. on the spot for Bourbon.

WORMSEED (CHENOPodium) is slightly firmer for shipment at 8s. 3d. per lb. c.i.f., with the spot value unchanged at 9s. 6d. per lb.

The following arrivals have taken place from the countries indicated during the period January 2 to January 8 (inclusive):—Almond (Fr.), 5 cs.; anise (Ch.), 10 cs.; bergamot (It.), 5 cs.; camphor (Jp.) 38 dm., (U.S.) 2 dm.; cassia (Ch.), 10 cs.; eucalyptus (Aust.), 96 cs, 12 dm.; fennel (Sp.), 3 cs.; geranium (Madag.), 4 dm.; gingergrass (Br. Ind.), 3 cs.; juniper berry (Ger.), 2 cs.; lavender (Fr.) 1 cs., (Sp.) 7 dm.; lemon (It.) 200 cs., (U.S.) 8 dm.; lemongrass (Guat.) 1 dm., (Br. Ind.) 4 dm.; lime (B.W.I.), 4 cs.; mandarin (It.), 6 cs.; orange (B.W.I.) 24 cs., (It.) 44 cs., (U.S.) 4 cs.; palmarosa (Br. Ind.), 4 cs.; pennyroyal (Sp.), 1 cs.; peppermint (Jp.), 20 cs.; petitgrain (Arg.), 10 cs.; pimento (B.W.I.), 1 dm.; sandalwood (Aust.), 43 cs.; undescribed (Fr.) 18 cs., (Neth.) 3 cs.

The following arrivals have taken place from the countries indicated during the period January 9 to January 15 (inclusive):—Anise (Ch.), 10 pkgs. 30 cs.; bergamot (It.) 35 cs., (Neth.) 1 cs.; cajuput (D.E.I.), 10 cs.; caraway (Neth.), 1 cs.; cassia (Ch.), 25 cs.; cinnamon (Cey.) 2 dm. 1 cs., (Neth.) 1 cs.; citronella (Jv.), 4 dm.; eucalyptus (Aust.), 8 dm.; geranium (Alg.) 8 dm., (Fr.) 3 dm.; lemon (It.), 89 cs.; lemongrass (Br. Ind.), 2 dm.; lime (U.S.), 15 cs.; orange (B.W.I.) 16 cs., (It.) 26 cs., (Fr.) 1 dm.; palmarosa (Br. Ind.), 4 cs.; peppermint (Jp.), 30 cs.; rose (Fr.) 1 dm., (Br. Ind.) 1 cs.; sandalwood (Br. Ind.), 60 cs.; vetiver (Br. Ind.), 60 cs.; undescribed (Fr.) 20 cs., (Ger.) 1 cs.

Pharmaceutical Chemicals, etc.

A FAIRLY good flow of business is reported in this section, and the general tone is steady. The only change to report is a reduction in sulphonal and a firmer tone in milk sugar.

ACETANILIDE continues steady, with business limited; B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb., as to quantity.

AMIDOPYRIN is unchanged on a quiet market at 7s. 6d. to 7s. 9d. per lb.

ASPIRIN is very steady, and business continues on a fair scale; quoted from 2s. 3d. to 2s. 6d. per lb., as to quantity, for British, with foreign make offering at about 2s. 1½d. to 2s. 2d. per lb.

BARBITONE is rather slow; dealers quote spot at about 5s. 6d. to 5s. 9d. per lb.

BENZOIC ACID (B.P.) continues steady, with large quantities at 2s. ex works; smaller lots, 2s. 1d. to 2s. 2d. per lb., ex store.

BENZONAPHTHOL is slightly cheaper, with dealers offering at 2s. 10d. per lb. for five-kilo. parcels.

BROMIDES are unchanged; business has been fair on limited lines; dealers quote ammonium, 1s. 11d.; potassium, B.P. crystals, 1s. 7½d.; granular, 1s. 7½d.; sodium, B.P., 1s. 10d. per lb., for quantities, in cases. British makers' list prices are steady; ammonium, 2s. to 2s. 3d.; potassium, B.P., 1s. 8½d. to 1s. 11½d.; sodium, B.P., 1s. 11d. to 2s. 2d. per lb., as to quantity.

CALCIUM LACTATE continues in fair demand on a steady market; quoted from 1s. 2½d. to 1s. 3½d. per lb., as to quantity.

CHLORAL HYDRATE is steady but quiet; duty paid crystals, 3s. 1½d. to 3s. 3d. per lb., as to quantity.

CITRIC ACID (B.P. crystal).—Foreign is offering on spot from dealers' hands at 2s. 2d. per lb., less 5 per cent., with not much business of importance moving.

An arrival of 1,102 cwt. citrate of lime has taken place from New York to London per "Tuscania," also 17,265 lb. citric acid from the United States per "Minnekahda" to London.

CREOSOTE (B.P.) is quoted for quantities in demijohns at 1s. 8d. per lb.; market remains slow.

CREOSOTE CARBONATE is steady, with a limited business moving; quoted from 5s. 10d. to 6s. per lb.

GUAIACOL CARBONATE is steady at from 4s. 6d. to 4s. 8d. per lb.

HEXAMINE continues in fair call, with prices still competitive; free running crystals, 1s. 11d. to 2s. 1d. per lb., as to quantity.

HYDROQUINONE is steady at the controlled prices of 3s. 7½d. to 4s. 6d. per lb.; business is improving a little.

LACTIC ACID (B.P.) is steady at 1s. 6½d. to 1s. 10½d. per lb., as to quantity.

METHYL SALICYLATE (B.P.) continues to be quoted at from 1s. 4d. to 1s. 6d. per lb., as to quantity; market steady, with business only moderate.

METHYL SULPHONAL is steady at about 8s. 9d. per lb. spot; market is dull.

MILK SUGAR is firmer, with Dutch (B.P. quality) offering at from 56s. to 57s. per cwt., ex stock London, according to quantity. Orders for large parcels are accepted for delivery from the makers end of March and later.

PARAFORMALDEHYDE continues fairly bright, with prices for 100 per cent. powder steady at about 1s. 7d. per lb. for quantities in kegs; small parcels, 1s. 8d. per lb.

PARALDEHYDE remains quiet at 1s. 1d. to 1s. 3d. per lb., as to quantity and packing.

PHENACETIN continues steady, with a fair business moving; quoted from 2s. 3d. to 2s. 5d. per lb., as to quantity.

PHENAZONE is moving fairly well; quoted from 3s. 7d. to 3s. 8d. per lb., as to quantity.

PHENOLPHTHALEIN is unchanged at the controlled prices of 5s. 11d. to 6s. 1½d. per lb., as to quantity.

POTASSIUM PERMANGANATE (B.P.) is steady, with quantities at 5½d. in drums; smaller parcels, from 6d. per lb., ex store.

RESORCIN is unchanged, with fair quantities offering on spot at 2s. 9d. per lb.; smaller parcels, about 2s. 10d. per lb.

SALICYLIC ACID (B.P.) is steady as offered at from 1s. 3d. to 1s. 6d. per lb., as to quantity.

SANTONIN.—The official prices are as follows: Ten kilos, £55 per kilo; five kilos, £57; three kilos, £58; and one kilo, £60 net.

SODIUM BENZOATE (B.P.) is unchanged, with business fairly good; quantities from 1s. 7½d. per lb., in two-cwt. barrels; small parcels, from 1s. 8d.

SODIUM SALICYLATE (B.P.) continues very steady, with business fair; crystals, 1s. 7d. to 1s. 8d.; powder, 1s. 6½d. to 1s. 6¾d. per lb., as to quantity.

SULPHONAL is dull and easier at about 6s. 3d. to 6s. 6d. per lb., as to quantity.

TANNIC ACID is unchanged, with B.P. *levis* offering in quantities at 2s. 10d.; small parcels, from 3s. per lb.

TARTARIC ACID (B.P. crystals) is unchanged on the week, with the spot price of foreign from dealers' hands at about 1s. 4d. to 1s. 4½d. per lb., less 5 per cent., as to quantity; business remains limited.

TERPIN HYDRATE is dull, with quotations for forward delivery in quantities from 1s. 5d. per lb.

THYMOL is unchanged, with synthetic fine white offering at 9s. 6d. per lb., in cwt. lots; ex ajowan seed, 11s. 3d. per lb.

VANILLIN continues to receive some inquiry on a steady market; 100 per cent. from cloves, about 17s. to 17s. 6d.; ex guaiacol, 14s. 9d. to 15s. 3d. per lb.

Industrial Chemicals, etc.

London, January 16.

A FAIR amount of business continues in the industrial chemical market, and prices for most products are fairly steady. There is no change of importance to record.

ACETIC ACID is moving in fair quantities; 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 98 to 100 per cent., £66 in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE.—Prices for B.G.S. continue firm with spot supplies short; ten-ton lots, £76 10s.; five-ton lots, £78 10s.; one to five-tons, £81; less than one ton, £85 per ton, in drums, ex store.

ALUM continues steady but quiet; lump in casks, £8 5s. per ton, ex store; slightly less forward in quantities.

AMMONIUM CHLORIDE is steady with dealers doing a fair business in grey galvanising at about £21 7s. 6d. per ton, in casks, ex store; slightly less for contracts.

ANHYDROUS AMMONIA is meeting with a fair business; market is competitive quoted from 10d. to 1s. per lb., in loaned cylinders, carriage paid; slightly less for large contracts.

ARSENIC.—Demand is not active, but the tone is well maintained at £16 to £16 5s. per ton f.o.r. mines for white

Cornish 99 per cent. Mexican high-grade is called £17 to £17 5s. c.i.f. Liverpool.

BARIUM CHLORIDE continues in very short supply on spot with prices for 98 to 100 per cent. prime white crystals at fully £11 10s. per ton, in casks, ex store; supplies for forward delivery up to March are also well sold, but after that date the position should become rather easier.

BLEACHING POWDER is steady at the competitive prices of about £6 15s. to £7 per ton for 35 to 37 per cent. available chlorine, carriage paid.

COPPER SULPHATE is firm, with the larger makers asking £27 to £28 per ton f.o.b. for casks, less 5 per cent., and a fair amount of business has been reported lately. U.K. exports for December were 2,431 tons, against 2,685 tons for December, 1927. The total for the twelve months amounts to 47,857 tons, against 42,401 tons for 1927.

FORMALDEHYDE is very steady as quoted for 40 per cent. by volume at £36 to £37 per ton, in casks, ex store; business has been satisfactory.

FORMIC ACID is steady with a fair amount of business moving; 85 per cent., in carboys, £46 to £46 12s. 6d. per ton, ex store.

ISOPROPYL ALCOHOL is offering on spot at about 11s. to 12s. per gallon, in drums, carriage paid; business has been moderate.

LITHOPONE has been meeting with a little better inquiry of late; 30 per cent. Continental red seal, £19 10s. per ton, in casks, ex store; slightly less for contracts.

OXALIC ACID is steady and fairly bright with quantities at about £30 per ton, ex wharf; spot, 32s. per cwt., ex store.

POTASH CAUSTIC continues at the Convention prices; inquiry has been better of late: spot, 88 to 92 per cent. solid, less than one ton, £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s., in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM CARBONATE has been receiving more inquiry; market is steady with 90 to 92 per cent., £25; 96 to 98 per cent., £26 per ton, in casks, ex store.

POTASSIUM CHLORATE remains dull with quantities to arrive at 2½d. per lb., ex wharf; spot, from 3½d. to 3¾d. per lb., ex store.

POTASSIUM PERMANGANATE is steady with commercial quality in two-cwt. drums at 5½d. to 5¾d. per lb., ex store; business remains slow.

POTASSIUM PRUSSATE is steady and business has been quite good; yellow, £63 10s. to £65 10s. per ton; single casks, 7d.; small parcels, 7½d. per lb., ex store.

SAL AMMONIAC is firm with spot supplies limited; dog-tooth crystals, £31; medium, £29; fine white crystals, £13 10s. per ton, in casks, ex store; slightly less for contracts.

SALTCAKE is unchanged at last week's lower figure of £2 10s. per ton, in bulk, delivered, for home trade only.

SELENIUM.—The current quotation for best black powder is about 7s. 8d. to 7s. 9d. per lb. d/d ex-warehouse.

SODIUM ACETATE is firm, with spot supplies very short; quoted at fully £21 15s. per ton, in casks, ex store; slightly easier forward.

SODIUM BICHROMATE is steady, with the agreed price holding at 3½d. per lb., for quantities; small parcels, from 4d. per lb.

SODIUM HYPOSULPHITE is steady, with a little more life in the market; dealers' quote pea crystals in one-cwt kegs at £15 to £15 2s. 6d.; commercial quality, £9 10s. per ton, ex store; British makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyers' station.

SODIUM NITRITE is quiet; 100 per cent. basis, £19 17s. 6d. per ton, and 20s. 6d. per cwt., docks, London.

SODIUM PRUSSATE is steady and business has been quite good; quantities from 4½d. to 4¾d.; smaller parcels, 5d. to 5½d. per lb., ex store.

SULPHUR is in moderate demand for American crude at from £5 12s. 6d. to £5 17s. 6d. per ton, according to quantity. Sicilian flowers are quoted at £12 7s. 6d., refined ground £11, and roll £9 15s., all c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—PITCH shows no further reduction in price, but the market is still dull. Other products continue unchanged, with business limited. ANILINE OIL is unchanged, quoted from 8d. per lb., packages extra, carriage paid; business is slow. ANILINE SALT is dull but steady at from 8d. per lb., packages extra, carriage paid. BETANAPHTHOL is quiet, with prices unchanged at 10d. per gallon, carriage paid for quantities. CARBOLIC ACID (ICE CRYSTALS).—There is a heavy demand, with prices firmly established at about 6½d. per lb. for bulk quantities for forward delivery only. CRESYLIC ACID.—A good business is passing for pale cresylic acid at prices based on about 2s. 5d. per gallon, naked at works, unless exceptionally

large quantities are in question. Refined cresylic acid is quoted about 2s. 9d. per gallon basis, with pure cresylic acid at 4s. CREOSOTE OIL is unchanged, with the market quiet; ex works, 5½d.; f.o.b., 6½d. per gallon, in bulk quantities. NAPHTHALENE is dull, with the market unsteady; imported flakes and balls, £15 10s. per ton, in cases ex wharf. METHYL ALCOHOL is steady and continues in fair demand; quoted on spot at £45 per ton, in drums, ex store, and cheaper forward in quantities. PYRIDINE is nominal at about 4s. 6d. per gallon, f.o.b. TOLUOL is unchanged with only unimportant business moving; commercial 90's, 1s. 7d.; pure, 1s. 10d. per gallon, at works. XYLOL is a slow market, and prices are unchanged; commercial, about 1s. 7d.; pure, about 1s. 9½d. per gallon, at works. PITCH continues quiet, and the quoted figure remains at 35s. per ton, f.o.b. East Coast.

Fixed Oils, etc.

SOME items are slightly easier on the week, with business rather slow in most directions. American turpentine has lost some ground, while linseed oil is about level on the week. ACID OILS are quiet and rather easier; coconut and/or palm kernel, 35s. 6d.; groundnut, 31s.; soya, 28s. spot. CASTOR is dull and is again rather easier; pharmaceutical, 48s. 6d.; first pressings, 43s. 6d.; second pressings, 41s. per cwt. spot in barrels in not less than one-ton lots. COCONUT is quiet and a trifle easier; deodorised, spot, 46s.; Ceylon, 37s. 9d. c.i.f.; Cochín, 48s. c.i.f. COTTON is firm and tends to advance; deodorised, 40s.; common edible, 38s.; soapmaking, 35s. 6d.; crude, 32s. 6d. spot. GROUNDNUT remains quiet; deodorised, spot, 48s.; crude Oriental, 40s. c.i.f. PALM KERNEL is quiet; deodorised, 44s.; crude, 39s. 3d. spot. PALM.—Prices show a good deal of alteration on the week, and the market closes quiet and rather unsteady; Lagos, 38s. 6d.; softs, 38s.; mediums, 38s.; hards, 38s. 9d.; bleached, 40s. 3d. spot. RAPE is rather easier; refined, 45s. 6d.; crude, 43s. 6d. spot. SOYA is dull; deodorised, 41s. 3d.; crude, about 34s. 9d. spot. LINSEED (raw, naked).—Prices show little change, but the market closes quiet and irregular. On spot, 29s.; January, 28s. 1½d.; February-April, 28s. 1½d.; May-August, 28s. 4½d.; September-December, 28s. 9d. Boiled oil, spot, 32s. 9d. Hull, on spot, 28s. 3d.; January-April, 28s. 1½d.; May-August, 28s. 4½d.; September-December, 28s. 7½d. TURPENTINE.—The tendency was somewhat easier, due to a slow demand, although American receipts were again reported small. The London spot price closed lower at 48s. per cwt.; February-April, 48s. 9d. London deliveries for last week were 1,648 barrels, making a total since January 1 of 3,090 barrels, comparing with 3,814 barrels the same period last year. Stocks were down to 32,413 barrels, as against 62,347 barrels the same date last year. Including quantities afloat the London visible supply made up at 35,738 barrels, which compares with 64,497 barrels a year previous. RESIN.—Only a limited business was reported, and the American statistical position was firm again, owing to reduced receipts and smaller stocks. C.i.f. terms for prompt shipment from America were as follows:—B/D, 18s. 9d. to 19s.; E, 19s. 4½d.; F/G, 19s. 9d.; H to I, 19s. 10½d. to 20s.; K/M, 20s. 6d.; N, 22s.; W/G, 23s. 10½d., and W/W, 26s. Terms ex-wharf are 6d. per cwt. more. WOOD.—Hankow, in barrels, on spot, is steady at about 74s. per cwt. OLIVE is cheaper, B.P. French in barrels offering at 6s. 6d. per gallon and 6s. 4d. c.i.f. terms.

LUBRICATING, MINERAL, BURNING OILS, ETC.—There is little or no change to report, with business moving on moderate lines. FUEL OIL is fairly active, with prices steady; 950 gravity, £3 10s.; 980 gravity, £4 2s. 6d. per ton, ex tank. PARAFFIN WAX AND SCALE are firm, with prices unchanged; wax is quoted from 3d. to 5d. per lb., according to melting point, in bags; scale is offered for shipment at about £25 7s. 6d. per ton, drums and barrels free, ex wharf. WHITE OILS are unchanged with business moving in fair quantities; special No. 1, £25 15s.; No. 1, £25 2s. 6d.; No. 3 half-white, £20 10s.; No. 4 half-white, £19 10s. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS are steady at the quoted prices, and there has been more business moving; 99/160, 1s. 1½d. to 1s. 2d.; heavy 90/190, 1s. to 1s. 1d. per gallon, naked at works. PETROLEUM JELLIES are unchanged with the market steady; white to snow white, £39 to £49 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £11 17s. 6d. per ton, barrels free, ex wharf. LUBRICATING OILS on spot are unchanged; quotations for shipment are at high rates; the market is steady. Spot: pales, £9 15s. to £22; reds, £11 to £21 10s.; dark cylinders, £11 15s. to £23; filtered cylinders, £17 15s. to £29 per ton, less 2½ per cent., ex wharf. Slightly less for tank lots. SOLUBLE OIL AND CUTTING COMPOUNDS are unchanged at £20 to £23 per ton, net. No. 1 RUSSIAN OIL on spot is unchanged at £14 per ton, less 2½ per cent., barrels free, ex wharf.

London Drug Auctions

Commercial Sale Rooms,

Mincing Lane, E.C.3.

January 17.

AT the opening auctions of the year there was little demand for the moderate supplies offered. Small sales of Cape aloes were made at steady rates and for Curacao in cases higher rates are asked. Round buchu leaves were forced off cheaply for ordinary dull quality, fair being about steady. Sumatra benzoin failed to sell, while cardamoms met with a steady sale for the medium qualities. Colocynth is plentiful and easy, and good washed calumba is scarce and held for high prices. Reboiled dragon's blood sells hand to mouth at steady rates. Honey was in reduced supply, but failed to find buyers, but sales subsequent to the auction were anticipated. Matto Grosso ipecacuanha sold at firm to higher rates on very limited supplies; myrrh was neglected, while small sales of rhubarb were made at unchanged rates. Both native Jamaica sarsaparilla and senna sold in retail only, and for beeswax there was no public demand. The following table shows the quantity of goods offered and sold, the asterisk denoting private sales:—

	Offered	Sold		Offered	Sold
Aconite root (Jp.)	19	0	Henna leaves	111	0
Aloes—			Honey—		
Cape	37	5	Argentine	100	0
Curacao (bxs.)	27	0	Cuban	1	0
Zanzibar	14	0	Guatemala	5	0
Ammoniacum	8	0	Haiti	39	0
Anise, Russ.	20	0	Jamaica	315	5
Anatto seed	10	0	St. Lucia	37	0
Araroba	9	0	Siberian	60	0
Areca	25	0	Ipecacuanha—		
Asafetida	42	0	Matto Grosso	16	10
Balsam tolu	14	0	Kino	8	0
Benzoin—			Kola	95	0
Saigon	24	0	Licuorice root	6	0
Siam	2	0	Lobelia	4	4
Sumatra	251	2	Myrrh	58	0
Buchu	70	9	Nux vomica	162	0
Calumba	19	0	Olibanum	5	0
Cantharides (Ch.)	10	0	Orange peel	15	0
Cardamoms	53	0	Orchella weed	1	0
Cardamoms wild E.I.	214	40	Plumbago	50	0
Cascara sag.	100	0	Quince seed	3	0
Cascarella	6	0	Rhapontica root	49	0
Cashew nuts	48	21	Rhubarb (Ch.)	114	8
Cassia fistula	172	0	Rose petals (Jottas)	10	0
Cassia fist. paste	10	0	Sarsaparilla—		
Cassia oil (cs.)	20	0	Native Jam.	30	5
Castorium (lb.)	37	0	Senna and pods—		
Chamomiles	1	0	Alex.	202	4
Chaulmoogra oil (cs.)	25	0	Tinnevely	104	7
Chillies (Jp.)	20	0	Sesame seed	11	0
Chiretta	4	0	Soap nuts	18	0
Cinchona	16	0	Squill	13	0
Civet (horns)	8	0	Strophanthus	14	0
Cochineal	4	0	Succupia seed	18	0
Coconut oil (dms.)	2	0	Tamarinds (E.I.)	48	0
Coquillana bark	27	0	Tonka beans	10	0
Colocynth and pulp	95	0	Turmeric	100	0
Copaiba (cs.)	20	0	Wax (bees)—		
Cubebs	19	3	Abyssinian	115	33*
Cutch	75	0	Benguella	56	0
Dragon's blood	63	1	Calcutta	26	0
Elemi	18	0	Conakry	40	0
Ergot	25	0	Dar es Salaam	38	0
Eucalyptus oil	45	0	East African	167	10*
Galbanum	3	0	Jamaica	5	0
Gamboge	8	0	Madagascar	76	0
Gingergrass oil (pots)	2	0	Morocco	21	0
Guaiaacum	17	7	St. Lucia	1	0
Gum acacia	28	0	West African	6	0
Gurjun oil (cs.)	9	0	Wax, Carnauba	22	0

Next Auction—March 14

ALOES.—Of Cape, five boxes good seconds sold at 40s. per cwt. being steady. Of Curacao, 20 boxes were offered and bought in at 92s. 6d. per cwt. for ordinary dark livery, part slightly drossy, and of Zanzibar description, 82s. 6d. was refused for two cases fair hard hepatic with an excess of skins, 85s. being wanted.

ARAROA.—A lot of nine cases was limited at 4s. per lb. for 51.6 per cent. chrysarobin.

ARECA.—A lot of 25 bags, medium to bold Ceylon, slightly wormy, was limited at 35s. per cwt.

BENZONIN.—Sumatra was neglected. Good fair seconds well packed with small almonds were held at from £7 10s. to £8 10s. per cwt., and common to fair seconds £6 to £7 per cwt., and thirds at from £5 to £5 15s. Two single cases sold at from £6 to £7 per cwt. Siam is scarce privately; two cases good small to bold loose Siam almonds were limited at £34 10s. per cwt., and 24 cases Saigon loose second almonds were bought in at £18 15s.

BUCHU was cheaper for the common qualities, four bales of ordinary dull round stalky selling at 1s. per lb.; a bale

of fair round green free from stalk sold at 1s. 3d., and in another interest 1s. 2d. was refused for good slightly stalky, 1s. 3d. being wanted. Three bales of fair slightly stalky and bronzy ovals sold without reserve at 11d. to 11½d. per lb.

CALUMBA.—A lot of 19 bags, good bold, sound, washed sorts, was bought in at 60s. per cwt.; a bid of 55s. is to be submitted. Privately there seems no bold thick sorts to be had.

CANTHARIDES.—A lot of ten cases fair Chinese were limited at 1s. 6d. per lb.

CARDAMOMS met with a moderate demand for the medium qualities, which sold at steady rates, comprising: Ceylon-Mysore, good bold pale, 7s. 6d.; bold long palish, 5s. 6d.; small pale, 3s. 4d. to 3s. 6d.; bold pale splits, 5s. 7d.; medium to bold splits, 4s. 3d. to 4s. 6d.; medium split, 3s. 4d. to 3s. 5d.; good seed, 5s. 6d.

CASOARA SAGRADA.—A lot of 100 bags was limited at 60s. per cwt. for thick peel imported in 1924.

CASHEW NUTS.—Two parcels consisting of 21 cases, blanched from Coconada, sold at 75s. per cwt., subject to sellers' approval.

CINCHONA.—Seven bales of East Indian small root (quinine sulphate 2.92 per cent., total alkaloids 9.64 per cent.) were limited at 9½d. per lb., and for nine cases Succirubra quill (q.s. 3.26 per cent., cinchonidine 2.16 per cent., and t.a. 8.36 per cent.) 1s. 2d. per lb. was wanted.

COLOCYNTH.—Fine pale Syrian pulped was limited at 1s. 6d., slightly yellowish at 1s. 4d., and ordinary yellow at 1s. 2d. per lb. In another catalogue 30 bales of good pale pulped were held at 1s. 2d., at which private sales have been made. Of apple 6 cases small to bold palish were limited at 1s. and 4 cases yellowish broken at 8d. per lb.

DRAGON'S BLOOD was steady, a single case of good reboiled Singapore lump selling at £25 per cwt. Good selected saucers were bought in at £23 per cwt.; £15 10s. was wanted for part ricey Singapore lump of fair colour, a bid of £15 being refused for two cases; fair reed was held for £12 10s.

ERGOT.—A lot of five bags good bold sound Portuguese was limited at 2s. 6d. per lb.

GAMBOGE.—Eight cases were held at from £23 to £23 10s. per cwt. for fair Siam pipe, part blocky.

GUAIACUM was steady, fair glassy lump (three bags) selling at 1s. 2d. per lb., and for four bags inferior drossy grease damaged 5d. was paid; middling lump was bought in at 1s. and ordinary part drossy at 9d. per lb.

GURJUN OIL.—For seven cases from Bangkok 9d. per lb. was wanted.

HENNA LEAVES.—A lot of 78 packages Egyptian was retired at 40s. per cwt. for fair green slightly stalky.

HONEY was in very much smaller supply, although the bulk of the first hand stock was offered. Demand, however, was quite small, and only five packages yellowish set Jamaica sold at 45s. per cwt. Most of the limits for the Jamaica offered had been slightly reduced; on the other hand, the quality of the offerings was only moderate, practically no white set Jamaica being offered. It was anticipated that after the auction a number of private sales would take place. The offerings included 100 cases Argentine which were bought in at 47s. 6d. per cwt. for whitish set.

IPECAQUANHA.—Matto Grosso sold at very firm to higher rates compared with private prices paid during the auction interval; three bales fair bold bright sold at 11s. 6d. to 11s. 9d., and for three bales partly lean bright 11s. 4d. per lb. was paid. A further six bales in another interest were held at from 13s. 6d. to 14s. per lb. Four bales had been sold prior to the auction.

KOLA.—For six bags ordinary dull dark Jamaica halves a bid of 4½d. per lb. was refused, being bought in at 5½d. Good bright West Indian is held for 6½d. per lb. privately.

LIQUORICE ROOT.—A parcel of six bales natural Cape was limited at 17s. 6d. per cwt.

LOBELIA HERB.—Four bales loose stalky sold at 6d. per lb., being cheap.

NUX VOMICA.—A lot of 162 pockets of fair Coconada was limited at 14s. per cwt.

RHUBARB was quiet. Medium to extra bold round Shensi, with three-quarters good pinky fracture, was limited at 3s. 10½d., medium round at 3s. 9d., bold flat at 3s. 10½d., and round and flat mixed at 3s. 3d. Two cases of common wormy round, High dried, with practically all dark fracture, sold without reserve at 1s. 2d.; under usual conditions two cases medium to bold flat, High dried Shensi, with three-quarters fair fracture, sold at 1s. 9d., and four cases medium round went at 1s. 6d.; small to medium flat High dried, was bought in at 2s. 1d.; common round rough High dried, at from 1s. 8d. to 1s. 11d., and Canton at 2s. 7½d.

SARSAPILLA.—No grey Jamaica offered at auction. Privately 2s. 6d. has been paid, with 2s. 9d. asked. Honduras roll is offered at 2s. 4d. to 2s. 6d., and Mexican at 8½d. to 9d. per lb. on the spot. In auction 30 bales Native-Jamaica

offered, and three sold at 1s. 4½d. per lb. for ordinary yellow. Fair red was retired at 1s. 8d. per lb.

SENNA.—Of Tinnevely leaf, three bales fair medium greenish sold at 4½d. per lb.; medium to bold clean green leaf was limited at 6½d.; four bales of Tinnevely pods sold at 2½d. per lb. For fair to good palish hand-picked Alexandrian pods in cases, 2s. 6d. to 3s. was wanted, down to 2s. 3d. for fair; 1s. 3d. was bid and refused for ordinary brownish. Of Mecca pods, one bale sold at 1s. per lb., and another two bales went at 4½d. per lb., both without reserve.

WAX (BEES) was in good supply, but neglected; 33 packages fair yellow Abyssinian block had been sold privately; several lots of Jamaica were held for £8 per cwt. Bleached Calcutta was limited at £10, and fair brown Conakry block at £8. Ten bales Benguela sold at £7 15s. per cwt., and various parcels of East African were held at this figure up to £8 per cwt.

Bulgarian Rose Oil Exports

THE official returns of Bulgaria's foreign trade, published by the Director-General of Statistics, show that the export of rose oil in August 1928 amounted to 440 kilos., valued at 33,459,607 leva, consigned to the following countries: Great Britain, 34 kilos.; Germany, 25 kilos.; Italy, four kilos.; Poland, two kilos.; France, 236 kilos.; Czechoslovakia, one kilo.; Switzerland, 88 kilos.; other countries, 50 grams. The total exports of rose oil during the first eight months of 1928 were 2,335 kilos., valued at 181,931,954 leva.

Newfoundland Cod-Liver Oil

THE production of Newfoundland medicinal cod-liver oil for 1923 is estimated to be about 20 per cent. less than the previous year. This is principally due to the shortage in shoro fish, as also to the comparatively poor yield of livers. The exports from January 1 to November 30 were 238,980 gallons, valued at \$361,225. The following allied products were also exported: Cod-liver oil pressings, 865 casks, 986 barrels (\$7,715); cod-liver oil stearine, 20 casks (\$400); cod-liver oil grease, 9,300 barrels (\$196,000); cod-liver oil meal, 4,513 sacks (\$27,278), and poultry oil, 6,779 gallons (\$5,423).

Chilean Iodine

WITH the assistance of two Government delegates, the Iodine Producers' Association (says the Chilean correspondent of the London "Chamber of Commerce Journal") recently held its annual meeting under the presidency of Sr. Thiermann. This industry, it will be remembered, in common with the nitrate industry, came in for some severe governmental criticism, but now seems to have got on to a proper working basis, and, in collaboration with the Government, is progressing. Quite a lot of research work is being done by the Association, while new fields are opening for the use of iodine as weed destructors, food preservatives, etc. So important is this research work considered that a sum of £27,000 is being devoted to it alone by the Association; while modifications are to be made in the statutes of the Association to permit of expenditure being made on investigations which will have the effect, it is hoped, of promoting a greater consumption of iodine.

Shellac Cultivation

MR. J. H. LYALL, deputy Conservator of Forests, Bihar and Orissa, has recently published a booklet entitled "Notes on Lac Cultivation, Bihar and Orissa," based on his experience in the Kundri Reserve in Palamau Division, in Keechki, Ureya and other forests, and also some observations he has made in the Ranchi and Sambalpur districts. The subject is dealt with under the following headings: Lac host trees and their suitability, conditions favouring lac development, difference between dry and wet season crops, pruning, infection (general, methods and proposals), emergence and attachment of brood, some possible causes of crop failure, marketing of stick lac, sale of brood lac, figures for the Kundri lac area, Government brood lac farms and their prospects, systems of lac cultivation on *Khair Cucacia Catechu* and *Kusum* (*Schleichera trijuga*), and the association of ants with the lac insect. The notes are primarily intended to be of assistance to Divisional Forest Officers, and, as stated in the introduction by Dorothy Norris, director of the Lac Research Institute, Namkum, "will be found extremely useful to anyone endeavouring to start work of this nature, either in newly-formed plantations or in existing forest areas where the same hosts are to be found."

ITALIAN CITRATE OF LIME PRICE FIXED.—A cable from the United States Trade Commissioner, Joseph F. Marrone, Rome, dated November 20, 1928, states that the minimum selling price for citrate of lime of 64 per cent. acidity during the season 1928-29 has been fixed at 550 lira per 100 kilos.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Stocktaking

SIR,—No doubt we have advanced since my early days, when the taking of stock was a real nightmare. Not to comment on the fact that this was always done in hours filched from the staff, it often happened that, even when the first part was finished, the work of pricing seemed to be too much for the proprietor. With the multiple firms stocktaking always appeared to me to be admirably done, though the incursion of from two strangers to ten or so was a real infliction. But one learns how to do this kind of thing; and I myself have valued an entire stock in a short day, and been very little out at the end. Everything was entered as it came, but pricing was done in coloured inks, so that patents, say, could be easily picked out when making a fair copy. Needless to say, a man well up in the matter of trade price-lists has a big advantage. A point is, I think, to get the job done promptly, and it is an easy matter to verify an entry or two later.—Yours, etc.,

SENEX (15/1).

Longevity of Chemists

SIR,—As I had been noting for some weeks past the average ages at which chemists died, I was interested to read a letter on "The Longevity of Chemists" in your issue of January 12. The list, dating back to November, numbers fifty-one chemists, showing an average age of sixty-nine years five months. This close proximity to mankind's natural span indicates that pharmacy is a healthy profession to follow. There may be several reasons for this longevity—the protected conditions of pharmacy, by reason of the much-reviled long hours, which serve a purpose in preventing over-indulgence or excess in pleasures or sports; the necessity of being moderate and temperate in habits; the possibility of ailments being checked at the beginning by self-treatment and dosage. It would be interesting to know if statistics of life expectation of the various professions and trades have been compiled by any of the life insurance companies, as, if so, I feel confident that pharmacy holds a very high place. If this confidence is supported, concerted action by chemists should result in securing more favourable terms from insurance companies than are already granted.—Yours faithfully,

ARKAY (15/1).

Ancient Medicines

SIR,—The interesting note of your correspondent "Napoli" in the *C. & D.* of January 12 (p. 54), alluding to the strange ideas held by rustics as to articles which pharmacists will purchase over the counter, recalls an experience of mine, many years back. In the summer of 1881, I took charge for a brief period of a branch pharmacy in Wallington, Surrey, belonging to my friend, the late William Forbes, of Reigate. At this period Wallington was a charming rural spot. Several times while I was there, boys would come into the pharmacy offering for sale the heads of male stagshorn beetles, with the "horns" attached. Sometimes they would bring the whole insects. The price asked was, I think, sixpence a dozen. They were under the delusion that these horns were used for making the teeth of combs. I have often wondered whether this was merely a local delusion, or if it is prevalent elsewhere, say, in the Thames Valley, where stagshorn beetles are common and are known as "Jacky Horners." This was the only time I have functioned as a qualified retail pharmacist; and my friends in the retail seem never to have had a similar offer.—I am, etc.,

J. O. B. (11/1).

Wasted Medicine

SIR,—I agree with "Xrayser III" in his remarks on the force of habit and human nature with regard to the taking of medicine, especially in the case of habitual medicine drinkers, of whom we have plenty on the panel. No amount of instructions or even the presentation of free medicine glasses with each bottle of medicine will alter the habits of the customer who takes the cork from the bottle, without troubling to take off the wrapping paper or to read the directions, and drinks two to three doses right off from the neck of the bottle before leaving the pharmacy. To protest to such a person, or to point out that it is a practice which might have dangerous results, is merely to be laughed at, or to be informed that it is probably only salts and water coloured. To put the number of doses on the label and the length of time the medicine should last would place the onus on the customer of making it last the proper time, and no fresh script should be issued till that date; this would make for economy, but in practice it would probably mean that the patient would take the bottleful in the first day or so and then be without medicine until his next visit. Probably the best way to secure economy would be to dispense in graduated bottles, where such were practicable, and to label "One tablespoonful to be taken three times a day. This bottle contains 24 doses to last 8 days," and add the date. It is, of course, a stupid idea to say that chemists are endeavouring to restrict treatment for the sake of their own pockets, for, provided that we could get payment in full for it, it is obviously in our own interests that the insured patients should have medicine *ad lib.* As to the contention that chemists should submit to a temporary loss during a time of national emergency, this is an argument which was trotted out first during the war at a time when many other people were making fortunes out of national necessities, and the chemists patriotically did not press their just claims; but ten years after the war is over one may be excused for being a little incredulous about national emergencies. Indeed, it is more than likely that a continued tame submission to discounting will establish it as a permanent factor in the scheme of payment. I am glad to see that you advocate a bold policy in regard to the Insurance contract.—Faithfully yours,

CUILLEREE (7/1).

The Pharmaceutical Society's Position

SIR,—"Selah," in his attack on the Pharmaceutical Society (*C. & D.*, January 5, p. 10), is not very conclusive. The Society can never be in a position to advance the interests of its members in the same way as the governing bodies of the closer professions, such as the doctors and the lawyers; as it has not the political strength on the one hand or the disciplinary power on the other, so that it is unable to contest disadvantageous legislation or to ensure that its members conduct themselves on ethical lines. The first thing, therefore, which one would have expected a non-member to have commented on would have been the fact that all legislation, especially recently, has been to the detriment of the pharmacist, or if not actually to his detriment certainly to his greater inconvenience; remarking this, what prospect have we that any forthcoming enactments resulting from the findings of the Pharmacy Acts Committee will not also be to our disadvantage, or that there will not be some further relinquishment of our rights to avoid some nebulous disaster? Then "Selah" commences with the old argument about the number of members and the attendances at the general meeting. The fact remains that the majority of persons on the Register are members; it is possible that some of the others cannot afford to be—having been through the experience in my younger days, I know that it may be one explanation. Others again openly state their disagreement with the policy of the Council and refuse to join on this account; but this is a mistaken attitude to take up, because by becoming members they have the opportunity to air their views or to stand for a seat on the Council intro-

ducing the reforms they think needful, while a cent-per-cent. membership would carry some weight even in official quarters. The attendance at the annual meeting is no criterion on account of the hour at which it is held; I have never been able to go to one, although I should attend regularly if convenient. "Krites," on the other hand, points out that members do turn up in force when there is any important item of policy to discuss; but it does not follow that the resultant action would be in accordance with the general ideas. We may be overcrowded to-day as the result of false hopes held out to ex-Service men; but surely a little foresight would have shown that in pharmacy, which is a small business compared to other trades, the openings were not there for the number of entrants. And is it not a fact that even now as many new students are being registered as ever before? The average chemist and druggist to-day may be far superior to the drug seller of the past; but we are more shopkeepers than ever we were, and even the N.H.I. work is partly mechanical with the formulary books in vogue. I think that the Society as a body has been handicapped in the past by the usual reproach of the pharmacist, the habit of thinking in halfpennies and grains, instead of developing on broader and more statesmanlike lines; and that by standing firmer at times, even if there had been more risk attached to it, we should have achieved better results and have commanded more respect. The Society was founded by Royal charter; it is our representative body, and for that reason I belong to it. In this year, when there is a possibility of far-reaching alterations being made in the Pharmacy Acts, it behoves every pharmacist to become a member and to support the Council to the best of his ability.—Yours truly,

ADJUVANS (15/1).

The Need of the Day

SIR,—All over the land, in pharmacies drab and in pharmacies ornate, we have been taking stock. We have added up our columns, we have made out our balance sheets, and have viewed the results of our year's trading either with satisfaction or dismay. And having done that, we face the future, some distrustfully, others optimistically. But even the most complacent of us must admit that the signs of the times are decidedly disquieting in our pharmaceutical commonwealth. How many of us are prospering as chemists pure and simple? We are chemist-opticians, chemist-photographers, botanical chemists and even chemist-chirodists. There is a rising and insidious encroachment upon what should be our preserves. Historic individual pharmacies are passing into the hands of trusts, and the chain stores are weekly opening new branches. We have had an attempt made by one firm to furnish us with increased competition in the sale of patent medicines, even to the extent of paying for our competitors' licences. Makers of proprietary articles are catering specially for bazaar trade. Co-operative societies are opening "chemists' departments" all over the land. There is an east wind blowing in pharmacy, and many of our brothers are shivering in the cold. Even the most prosperous of us knows it is there, for even he is slightly nipped and, as he gathers his coat more closely around him, must think with pity of those less easily circumstanced than himself. What can be done for them? That is the problem. I submit that, first and foremost, we must sink our intense individualism, for that is largely our ailment to-day. This is an age of collective effort, of aggregations of capital. Our commercial environment has changed, and we have not adapted ourselves to the new conditions. In the commercial war in which we are engaged we are fighting modern artillery with the weapons of our fathers, and unless the campaign is to be lost, it behoves us to adapt ourselves to the new conditions. We have taken up a defensive attitude; it is in our power to take up the offensive if we have the will to do so. As individuals, we are regarded as invertebrate. Potentially, we are an army that could, and should, dictate terms to all who oppose us. As individual links, we are little; joined

together we should form an unbreakable chain. I submit that the time has come for a new alignment. We want unity, and an all-round unity. We ought to own our business, from the purchase of the crude drug in the market to its retail distribution over the counter. We want another association, a Retail Pharmacists' Manufacturing Union, of which every retail pharmacist is a member. Collectively our buying capacity is still greater than our competitors'. I want that collective capacity used for the uplift of the whole craft. "Own your own business, run your own business," was Carnegie's advice. I submit that, if the individual pharmacist is to survive as he is to-day, then by co-operative association he must control not only the demand for his goods, but the supply, and in reality "own" his business. Utopian? Surely not. We have organising ability in the craft; the financial effort required would not be beyond our resources. There is nothing impossible about the suggestion. To-day it is a dream. United co-operative effort by retail pharmacists can make it a reality to-morrow. If we have the will, the means will not evade us.—Yours, etc.,

PHARMACOPOLIST (14/1).

SIR,—Various complaints appear in these columns concerning the retail chemist and proprietary articles. The first complaint is the narrow margin of profit; the second is the "unpaid for" window shows, window stickers, advertising, etc., done by the retailer; the third is the unfair competition set up by allowing multiple firms to give dividend on protected articles: there may be other causes for complaint, but I think these are in the front rank. There is no doubt that the retail chemist has just cause for grumbling when such a state of things exists, especially when we see the upward trend of business in proprietaries. Why keep grumbling and complaining? The thing to do is to diminish the traffic in proprietary commodities and get more of our own preparations on the move, which cannot be had anywhere else. Chemists want more of their own lines to recommend, something they can talk about. Why do not the chemists get together in one bond to protect their professional status and refuse to handle such trouble-giving trade? A chemist will never be looked upon as a professional man as long as his shop is stocked with patent medicines; when he gets to more of his own prescribing he will become such, and not until then. By prescribing I do not mean taking the doctor's work, but preparing his own specialities, etc. It is up to the chemist himself whether he will exterminate the trade in patent medicines or be exterminated by them, having to yield to defeat. It is no use a chemist grumbling: the cure lies at his own doorstep. The thing to do is "Get together and stand for the true status of the profession."—I am, etc.,

G. H. B. (8/1).

SIR,—It gave me much pleasure to read the letter of Mr. H. C. Meyrick. There is no doubt we require a body such as he suggests. "Where there's a will there's a way." I am prepared to support an independent body which will prevent our troubles with no hesitation. To obtain confidence this body must have a secretary who has shown in the past that he means business; one name comes to my mind in this respect, Mr. McNeal, who as a candidate for the Council of the Pharmaceutical Society has given us proof that he is not afraid of our councillors. Let us indeed be up and doing. A nominal subscription of 5s. each would give us a body which would use the whip when required.—Yours truly,

F. G. EDMONDS.

Strood.

SIR,—If Mr. H. C. Meyrick means forming another body which will have its executive positions held by those who sit like barnacles on our other bodies, then I say "No." If he means a body with someone like Mr. McNeal and persons with like independent spirit in charge, then I say "Let us be up and doing." I have written to Mr. McNeal; let others follow. We shall have enormous influence for our betterment through an independent body.—Yours truly,

YORKSHIRE (16/1).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

P. R. L. (19/10).—FIXING GLASS ROD IN CORK.—To fix a glass rod securely in a dispensing cork, we would suggest the use of a mixture of 3 parts gutta-percha and 1 part asphalt. Heat this mixture until it softens, and then knead it into a paste; while still soft, insert some of the paste in the hole of the cork and then insert the glass rod. Allow it to cool, and then trim off the superfluous gutta-percha.

M. L. (11/1).—MITES IN CHEESE.—During hot weather cheese are commonly attacked by cheese-flies, which lay eggs in the cracks. In about 36-48 hours maggots (also known as skippers) hatch out. The maggot feeds on the cheese for about two weeks, and then turns to a golden-brown puparium, and ten days later develops into a fly. About three generations are produced during the summer, and in cold weather the pest exists in the puparium stage. The mites do not attack fresh cheese. When mites are present the cheese should be brushed daily, and, if much damage is being done, the cheese may be dipped in hot water. There is no method of fumigation which will destroy the mites without injuring the cheese.

F. G. (15/1).—BRAZILIAN DRUGS.—*Tynnanthus fasciculatus*, known as "Cipo Cravo," is a Bignoniaceae indigenous to Brazil. *Lisianthus pendulus* is used in Brazil as a substitute for European gentian.

J. R. P. (15/1).—Dihydro-oxycodine and dihydro-codeine are the chemical names for preparations known as "Eccodal" and "Dicodid" respectively. The former is prepared from thebaine and the latter from codeine. Both are used as analgesics.

J. E. F. (31/128).—LIN. ALB. B.P.C.—The reason the white of egg is used as well as the yolk is because in this way a thicker emulsion is obtained. Theoretically it is wrong, but in practice the above is the result. The method of adding acetic acid last is correct, but experience shows that diluted acid makes quite a good combination with albumen and the yolk to form a good emulsifying liquid.

S. G. (4/18).—EPILEPTIC FITS IN PIGS.—Epilepsy in animals is more or less due to functional derangements, such as injuries to the brain and head, worms, irritation of the mucous membrane, constipation, and so forth. Douse the head in cold water when affected, give a stimulant (such as whisky, ammonia), and keep the animal in the fresh air. Potassium bromide or iodide should be given once daily for a time, the dose being graduated according to the weight and age of the animal. Feed on easily digested food, give a vermifuge, and keep the bowels loose. It is important to investigate the cause of the complaint and so far as possible remove it.

B. J. (9/18).—The colour of the flash is apparently due to strontium, probably strontium nitrate, and for a similar effect you should soak suitable paper in a solution of this salt and potassium chlorate. Two to four parts strontium to one of potassium chlorate would be about the correct proportion.

A. M. C. (11/18).—EFFERVESCENT BATH TABLETS.—These may be prepared as follows:—

Sodium bicarbonate	...	...	3iiij.
Tartaric acid	...	...	3iiss.
Starch powder	...	...	3iv.
Oil of lemon	...	...	3ss.
Oil of orris (or ionone)	...	...	mv.
Oil of ylang-ylang	...	...	mv.

Mix the oils with the starch, add the other ingredients, and mass with methylated ether containing 20 grains of benzoin in each ounce. Divide into tablets and dry.

S. A. (14/18).—Formulas of the kind you require were published in the *C. & D. Diary*, 1929, p. 312, under titles of Liver and Indigestion Mixture and Lemon, Honey and Glycerin Cough Linctus.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Removing Marking Ink Stains

M. P. W. (2/1) writes that he has almost entirely removed marking ink (non-heat) stains from linen articles by the following method:—Damp with vinegar, on the top of this apply a few drops of Milton, leave in contact for a minute and wash thoroughly.

Stammering

Would any brother chemist who has been cured of stammering, or who knows of a genuine permanent cure, pass on the good news to sufferer in business?—*Kept Back* (15/1).

Congress of Military Medicine and Pharmacy

Miss Hodgkinson, secretary of the National Association of Women Pharmacists, writes:—"Members of the N.A.W.P. who served as V.A.D.s during the late war are eligible to attend the International Congress of Military Medicine and Pharmacy, to be held in London from May 6 to May 11; it is hoped that as many members as possible of those who are eligible to attend will make an effort to be present. Inclusive tickets, price 7s. 6d. each (application for which should be made before February 1), and all further particulars, may be obtained from Major A. D. Stirling, D.S.O., R.A.M.C., The War Office, Whitehall, London, S.W.1."

Legal Queries

J. W. (9/1).—The indication on the label of your "Cough Mixture" of the number only, without any reference to the work in which the formula was published, is an insufficient disclosure, and renders the preparation liable to medicine-stamp duty.

F. S. L. (15/1).—Provided the headache powder does not contain a scheduled poison its sale is not subject to any restriction. On the other hand, if the seller is not entitled to claim the exemption extended to qualified chemists under the Medicine Stamp Acts, the headache powder will have to bear a medicine stamp.

W. J. C. (14/12) has lent £150 to a friend. Both have signed an agreement form over a 6d. stamp. Under this agreement, "W. J. C." agreed to pay the amount to his friend, who agreed to pay back the sum with interest at the rate of 10 per cent. by quarterly instalments, the whole to be repaid within a year. Is this agreement binding? [Obviously, "W. J. C." has no security whatever for the money he has lent, and if the money is not repaid his only remedy will be to sue his friend. The real problem is whether the document is sufficiently stamped. In our opinion, it should have been stamped with an *ad valorem* stamp as a promissory note or a bill of exchange, and if this view is correct it is insufficiently stamped and therefore could not be produced in court as evidence of the debt. However, the loan could, no doubt, be proved in some other way if it became necessary for "W. J. C." to sue his friend for the recovery of the amount.]

Retrospect of Fifty Years Ago

Reprinted from
The "Chemist and Druggist," January 15, 1879

Pharmaceutical Society of New Zealand

... Read [at the Council meeting of the Pharmaceutical Society of Ireland on January 1, 1879] a letter from Mr. James A. Haslett, pharmaceutical chemist, of Christchurch, New Zealand, informing the Council of the proposed formation of a Pharmaceutical Society in that colony, on the plan of those existing in Great Britain and Ireland, and enclosing a copy of the proposed laws and constitution of the new society. ... He also asked for copies of the curriculum and rules of both the home societies.



[Commenced C. & D., July 5, 1924]

Præcipe.—When a person goes to the High Court or a County Court to apply for the issue of a writ or summons, or to enforce a judgment by levying execution, he is required to fill up a form which is called a præcipe.

Precedent.—A judgment or ruling of a court of law which is cited as an authority for deciding a similar case in the same way is called a precedent. The term is also commonly used in conveying to designate a specimen of an instrument which can be used as a model when preparing another instrument of the same kind.

Pre-emption.—The right to purchase something before others have an opportunity to do so is called a right of pre-emption. At one time it was part of the royal prerogative to have the right to purchase necessities for the royal household in preference to any other buyers, but this privilege was abolished in the reign of Charles II. Pre-emption still applies, however, in certain circumstances. For instance, where a local authority has acquired land compulsorily under the Lands Clauses Consolidation Act, 1845, and finds that it has bought more land than it needs, in disposing of the superfluous lands it must give to the persons from whom the land was acquired the first opportunity to buy it back.

Preference, Fraudulent.—If a person who is insolvent pays money or assigns property to a creditor with the intention of giving that creditor a preference over other creditors the transaction is known as a fraudulent preference, which is an act of bankruptcy upon which a petition in bankruptcy may be based. If the debtor is adjudged bankrupt or a bankruptcy petition against him is presented within three months of the fraudulent preference, the transaction will be void, and the trustee in bankruptcy will be able to claim the money or property for the benefit of the creditors generally. In order to constitute a fraudulent preference the debtor must have parted with his money or property voluntarily with the deliberate intention of showing preference for a particular creditor; the preference will not be considered fraudulent if the debtor merely yielded to pressure brought to bear upon him by a particular creditor.

Preferential Debts.—In distributing the property of a bankrupt certain debts are paid in priority to other debts. The principal of these preferential debts are the following: (a) Rates due in respect of the twelve months before the date of the receiving order and assessed taxes up to April 5 before the date of the receiving order, not exceeding one year's assessment; (b) wages or salary of a clerk or servant in respect of services rendered to the bankrupt during the four months before the date of the receiving order, not exceeding £50; (c) wages of any labourer or workman, not exceeding £25, in respect of services rendered within two months before the date of the receiving order; (d) amounts due as compensation under the Workmen's Compensation Acts in respect of which the bankrupt's liability arose before the date of the receiving order; and (e) National Insurance contributions due within four months before the date of the receiving order. All these debts rank equally, and if the assets are insufficient to pay them all in full they will be paid rateably in appropriate proportions. A landlord is a preferential creditor to the extent that he has a right of distress in respect of rent due from the bankrupt; but if he distrains after the commencement of the bankruptcy he can do so only for six months' rent due prior to the date of adjudication. He can, how-

ever, prove in the bankruptcy for the balance of the rent, as an ordinary creditor. Moreover, unless the distress is levied more than three months before the date of the receiving order, the preferential debts mentioned above are a first charge on the goods distrained or the proceeds of their sale; but in respect of the amount so paid the landlord is himself in the position of a preferential creditor. By statute, in the case of persons holding certain positions upon their becoming bankrupt, moneys entrusted to them for special purposes have to be paid before the debts are paid, e.g., friendly societies' officials.

Preferential Tariff.—By the Finance Act, 1919, this country introduced into her tariff the principle of Imperial preference. The preferential rate of duty, which is usually five-sixths of the full rate for the same goods, can be secured by the production of a certificate of origin proving to the satisfaction of the Commissioners of Customs and Excise that the goods have been—

- (1) Consigned from, and
- (2) Grown, produced, or manufactured in, the British Empire.

The British Empire for this purpose is defined as including:—(a) All British Dominions outside Great Britain and Ireland, including British India and the Indian Native States; (b) All British Protectorates; (c) Any territories which may come under his Majesty's protection, or in respect of which a mandate of the League of Nations may be exercised by the Government of any part of the Dominions. Such territories are included for preferential purposes by an Order in Council. The Imperial Preference Order (No. 1), 1922, brought within the British Empire for purposes of preference South West Africa, New Guinea and Western Samoa. Admission to the preferential duty must be claimed by the importer when he enters the goods. He must be ready to produce a certificate of origin in the approved form, and any further evidence, such as the suppliers' invoice, bill of lading, etc., if required. In doubtful cases the guiding principle is the place whence the goods were originally consigned. Admission to preference of manufactured goods produced only in part by means of Empire labour and materials is governed by statutory regulations made by the Board of Trade.

Prescription.—A prescription is the order of the medical attendant of the patient to the dispenser for the supply of a remedy. In this country the ingredients are usually written in abbreviated Latin prefaced by the sign \mathcal{R} , which may originally have implied a prayer to Jupiter, but is now regarded as a contraction of recipe (= take thou). Quantities are usually expressed in apothecaries' weights, and the old signs for these quantities are used. The directions are usually in English nowadays if full instructions are necessary; otherwise abbreviations or significant letters are used to express the prescriber's intentions.

Prescription-Book.—Prescriptions for medicines have been copied by dispensers in some form of book from time immemorial. The purpose was for reference when necessary. Section 17 of the Pharmacy Act, 1868, states that the conditions of the sale of poisons shall not apply to any article "when forming part of the ingredients of any medicine dispensed by a person registered under this Act; provided such medicine be labelled . . . with the name and address of the seller, and the ingredients thereof be entered, with the name of the person to whom it is sold or delivered, in a book to be kept by the seller for that purpose." This book is now regarded as the official record of medicines containing poisons which have been dispensed. Custom and business methods have formed it into a record of all medicines dispensed (excluding only those of National Health Insurance), unless the prescriptions contain a poison within the limits of the Dangerous Drugs Act, 1920, when it is usual to enter the prescription and to make a cross-reference in the dangerous drugs register. (See Dispensing: Pharmacy Acts Requirements.)

Preservatives, law as to.—Prior to the Public Health (Preservatives, etc., in Food) Regulations, 1925, there were no laws or regulations with regard to preservatives

The C.&D. Commercial Compendium

in foods. The only way in which any official protest was or could be made was by the fiction of contending that the excessive use of a preservative constituted an adulterant of such a nature that the article sold was not of "the nature, substance or quality demanded by the purchaser," or that it was injurious to health. As these prosecutions were conducted in the local police courts or at quarter sessions, it was largely a matter of what view the particular tribunal might take on the evidence before them. So conflicting were the decisions in various parts of the country that even manufacturers, who were in favour of the use of preservatives, recognised that legal standards were an absolute necessity for the purpose of dealing with the problem. It has long been, and still is, a very moot point as to what, if any, effect the use of certain preservatives has upon the consumer. Even since the publication of the report of the Committee upon which the 1925 Regulations are based, much criticism from those who are in a position to judge impartially has been directed at certain hasty decisions which have been made too rashly without any or any sufficient evidence to support them. In 1899 a committee was appointed, with Sir Herbert Maxwell as chairman, "to inquire into the use of preservatives and colouring matters in the preservation and colouring of food and to report whether the use of such materials or any of them for the preservation and colouring of food, in certain quantities, is injurious to health, and, if so, in what proportions does their use become injurious, and to what extent, and in what amounts, are they so used at the present time." The report was duly issued with certain suggestions, but nothing further was ever done with reference to it, except that prosecuting authorities always tried to drag it in to support their case where they could. In 1907 two Acts of importance were passed, the Public Health (Regulations as to Food) Act and the Butter and Margarine Act. Under powers conferred on the Local Government Board by the former of these Acts, a number of regulations have been issued of which the following are of interest in connection with the subject under discussion:—The Public Health (Foreign Meat) Regulations of 1908 and 1909 prohibit the importing of certain offal treated with preservatives, and the Public Health (First Series: Unsound Food) Regulations of 1908 empowered the appropriate medical officer of health to prevent the landing of food which is unsound, unwholesome or unfit for the food of man. In 1912 the Public Health (Milk and Cream) Regulations were published, and these were amended in 1917. By the 1912 Regulations no preservative may be added to milk or cream which contains less than 35 per cent. by weight of milk fat, and to richer cream only boric acid, borax or hydrogen peroxide may be added, and if so added, the cream must be labelled to that effect. By the 1917 Regulations the amount of borax preservatives is limited to 0.4 per cent. as a maximum. In 1923 a Committee was set up by the Minister of Health which consisted of ten medical men and chemists, but upon which no manufacturing interest was represented. The Committee were appointed "to inquire into the use of preservatives and colouring matters in food and to report: (1) Whether the use of such materials, or any of them, for the preservation and colouring of food is injurious to health, and, if so, in what quantities does their use become injurious; (2) whether it should be required that the presence of such materials, and the quantities present, in food offered or exposed for sale should be declared." The Committee first made the following three general proposals: (1) That it is undesirable to add to articles of food any material not of nature, substance and quality of food; (2) that if for commercial or other reasons the addition is necessary, it should be limited to the minimum required to effect its purpose; (3) that if it can be shown that some of these materials are less undesirable than others, preference should be given to the employment of the less undesirable materials. The Committee further stated: "It will be understood that in the term 'preservative' we do not include salt, saltpetre, sugar, vinegar, acetic acid, alcohol, spices, or the minute quantities of preservative agents introduced by the process of curing, known as smoking,

nor do we include substances which, though they may have some preservative properties, are added to food for other than preservative purposes and in the amounts in which they may be used in food possess preservative properties in so slight a degree that they cannot be regarded as commercially practicable preservatives. The term preservative is, however, to be interpreted in this report as including every other substance which, when added to food, has the property of preventing, arresting, delaying or masking fermentation or putrefaction of food." Various findings with regard to particular preservatives were made by the Committee, and in August 1925 the Public Health (Preservatives, etc., in Food) Regulations, 1925, were issued by the Minister of Health. These apply to England and Wales. Part I of the Regulations deals with when the various sections are to come into operation, but all the sections are operative by January 1, 1928, with the exception of an article of food containing any preservative which is necessarily introduced by the use in its preparation of preserved butter. An extension till July 1, 1928, is granted in this case. It then proceeds to set out a number of definitions for the purpose of these Regulations. Part II and the Schedule deals with the preservatives allowed and their quantities, which are as amended by a later Regulation as follows:—

Food		Preservative	Parts per million
(1) Sausages and sausage meat, containing raw meat, cereals and condiments		Sulphur dioxide	450
(2) Fruit and jam pulp (not dried) for conversion into jam or crystallised or glacé fruits, as defined in items 6 and 7:—			
(a) Cherries		Sulphur dioxide	3,000
(b) Strawberries and raspberries		"	2,000
(c) Other fruit		"	1,500
(3) Dried fruit			
(a) Apricots, peaches, nectarines, apples and pears			2,000
(b) Raisins and sultanas		"	750
(4) Unfermented grape juice and non-alcoholic wine made from such grape juice if labelled in accordance with the rules contained in the Second Schedule to these Regulations		Benzoic acid	2,000
(5) Other non-alcoholic wines, cordials and fruit juices, sweetened or unsweetened		Either Sulphur dioxide or Benzoic acid	350
(6) Jam (including marmalade and fruit jelly prepared in the way in which jam is prepared)		Sulphur dioxide	40
(7) Crystallised and glacé fruit (including candied peel)		Sulphur dioxide	100
(8) Sugar (including solid glucose)		"	70
(9) Corn syrup (liquid glucose)		"	450
(10) Gelatin		"	1,000
(11) Beer		"	70
(12) Cider		"	200
(13) Alcoholic wines		"	450
(14) Sweetened mineral waters		Either Sulphur dioxide or Benzoic acid	70
(15) Brewed ginger beer		Benzoic acid	120
(16) Coffee extract		"	450
(17) Pickles and sauces made from fruit or vegetables		"	250

The colouring matters which are barred are specified as follows:—(1) Metallic colouring matters which are compounds of any of the following metals: Antimony, arsenic, cadmium, chromium, copper, mercury, lead or zinc. (2) Vegetable colouring matter: Gamboge. (3) Coal tar colours as follows:—

No. in colour index, Society of Dyers and Colourists, 1924	Name	Synonyms
7	Picric acid	Carbazotic acid
8	Victoria yellow	Saffron substitute; Dinitroresorcinol
9	Manchester yellow	Naphthol yellow, Martin's yellow
12	Aurantia	Imperial yellow
724	Aurine	Rosolic acid, yellow Coralline

The Regulations also specify that packages must be labelled in a certain manner, disclosing the presence of the particular permitted preservative. (See also *C. & D. Diary*, 1927 and 1929, p. 259.)

The Year's Progress

While it must be admitted that during 1928 our business in some of the old standard lines reflected the general industrial depression, notably in Bismuths, Iodides, Camphor and Bromides, others show a notable improvement, such as Potass Citras, with a 21% advance, and Iodum Resub, with a 34% advance.

It is with our newer products, however, that we can thankfully review a very satisfactory year. Our Sales of

AGOTAN					show an advance of 13%
ASPIRIN TABLETS	,,	,,	,,	,,	17%
CALCII LACTAS	,,	,,	,,	,,	25%
MENTHOL (Synthetic)	,,	,,	,,	,,	63%
SOLVENTS (for a variety of Trades)	,,	,,	,,	,,	52%
THYMOL	,,	,,	,,	,,	26%

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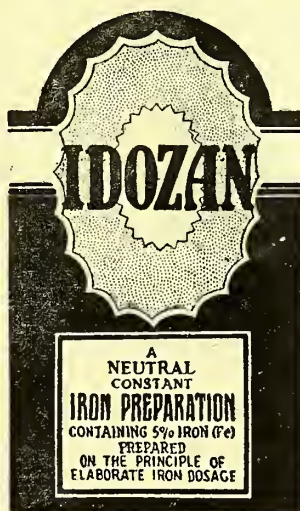
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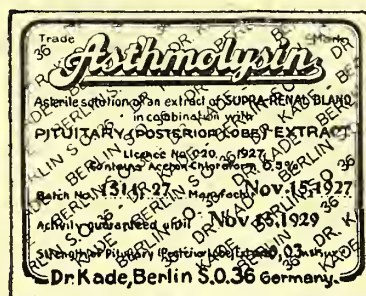
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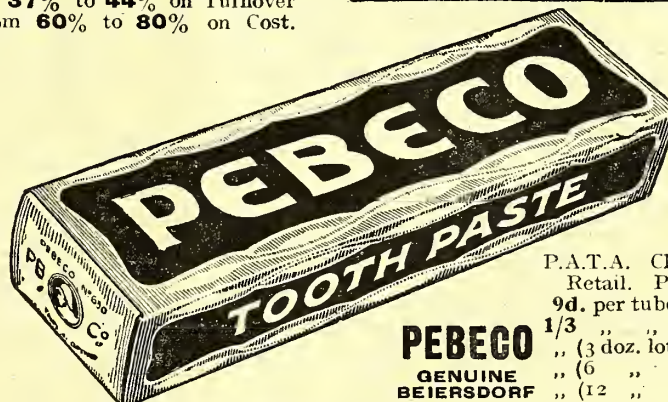
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Half Gross 10's is minimum order accepted for Bonus purposes.

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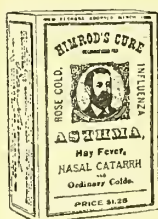
"Collosally,
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Export Distributing Agents, AYRTON, SAUNDERS & CO., LTD., LIVERPOOL

EVERY SALE OF

HIMROD'S Asthma Cure

CREATES A SATISFIED CUSTOMER
SUFFERERS SEEKING RELIEF FROM



The paroxysms of
BRONCHIAL ASTHMA
Asthmatic Hay Fever
Common Colds
Nasal Catarrh
Bronchitis

Will be quickly helped by the use of this time-tried remedy.
Burn half a teaspoonful, inhale the fumes and the distress vanishes.

ON THE MARKET FOR OVER 50 YEARS

"Himrod's Cure is a well known product, very useful in many cases."
—W. J. Hadley, M. D., formerly lecturer at London Hospital.

May be had from wholesale distributors throughout the world

Himrod Manufacturing Company, Mfrs.
JERSEY CITY, N. J., U. S. A.

ROBORANS

Recognised by the Medical Profession as

THE IDEAL TONIC

Prepared with or without sugar.
Supplied in 8-oz. and 16-oz. bottles.

A BRITISH PRODUCT.

ROBERTS & CO.

Pharmaciens to H.M. the King,

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And at PARIS.

** This offer does not hold good after February 7, 1929*

URODONAL

A SPECIAL OFFER to INTRODUCE THE

NEW 3/- SIZE

**which is about to be largely advertised.*

This size will be a popular size for the public who wish to try this world-wide remedy.

URODONAL now sells at 3/-, 5/- & 12/-

Messrs. CHATELAIN have at our urgent request brought out a new 3/- size bottle of URODONAL which will be largely advertised in the Daily Papers, and in order that you should have it in stock when your customers ask for it we are making you a

SPECIAL OFFER of

1 doz. 3/- URODONAL at 28/6

with one extra bottle as bonus and giving two months' credit.

This will be a fine seller, so order at once and obtain it on the best terms from the sole agents :

HEPPELS, LTD. Wholesale Chemists
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May we call yourattention to:—**PETROLAX**

(BROWN CARTON)

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION**PETROLAX COMPOUND**

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A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN**PETROLAX ALKALINE**

(BLUE CARTON)

A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI*Note the Prices:—*RETAIL 2/- (Nominal $\frac{1}{2}$ lb.) 14/- doz

,, 3/6 („ 1lb.) 24/- „

,, 6/- („ 2lb.) 44/- „

*Stocked by the leading Patent Houses, or direct from the SOLE MANUFACTURERS:—***C. R. HARKER, STAGG & MORGAN, LTD.****Mile End, London, E.1****PRESS ADVERTISING
IS BOOMING****FULLERS****CELERY PERLES****HOW ARE YOUR STOCKS?**

Supplies from every Wholesaler.

The Fuller Laboratories, 1, Crutched Friars,
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Telephone: Royal 9592.

CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S**PENNYROYAL & STEEL PILLS**

Advertised all over the world.

ESTABLISHED 100 YEARS.

*Sole Proprietors:***E. T. TOWLE & CO., LTD.****TOLL ST., NOTTINGHAM****AN OLD FASHIONED—BUT REALLY EFFECTIVE
remedy for COUGHS, COLDS, IN-
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ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.**TERMS.**

10½d. size, 8/6 per doz.

1/3 „ 12/- „

3/- „ 27/- „

Less 5% dis. on £6 orders.

10½d. size, 8/1 per doz.

1/3 „ 11/5 „

3/- „ 25/8 „

Carriage paid on orders of
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INFLUCINE

**A Local Spray Vaccine for the
Prevention and Treatment of
INFLUENZAL COLDS
and other bacterial diseases
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**PEROXIDE
OF
HYDROGEN
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STABLE TO THE
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In 3 popular sizes,
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4 oz.	..	1/-
8 oz.	..	1/6
16 oz.	..	2/6

P.A.T.A.

**GENEROUS
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MINIMUM
50%**



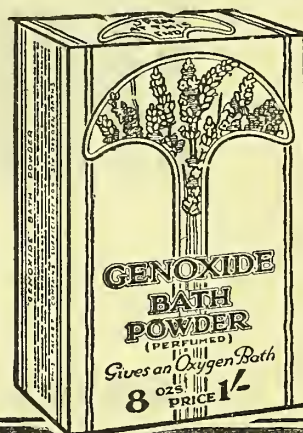
GENOXIDE BATH POWDER

A genuine Oxygen bath powder. Subtly perfumed, fully effective and packed in attractive cartons. "Genoxide" Bath Powder sells at popular prices which will increase the demand for medicated Bath Powders

RETAIL PRICES.

8 oz. 1/-
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Terms to Trade —
7/- per dozen 8 oz.
packets, 12/- per
dozen 16 oz. packets.



GENOXIDE LTD. LUTON

**Liberal
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THE
PHYSICIAN'S REMEDY
for

HEADACHE, NEURALGIA, RHEUMATISM, NEURITIS, Etc.

Is now being vigorously advertised throughout the country.
POWDER AND TABLETS. RETAIL AT 1/3 and 3/-

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BLACKBURN

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£5 Orders give 33% net. Carriage Paid

THE DENVER CHEMICAL MFG. CO., LONDON, E.3

GALLOWAY'S COUGH SYRUP

*SHOWS OVER 50% PROFIT
WHEN BOUGHT ON BEST TERMS*

A £5 ORDER

ENTITLES YOU TO

10% DISCOUNT & 2½% FOR PROMPT CASH

WITH A BONUS OF

**½ DOZ. 1/3 SIZE OR ¼ DOZ. 2/6 SIZE
FOR 14 DAYS WINDOW DISPLAY.**

1/3 SIZE 12/- PER DOZ.

2/6 „ 24/- „ „

CARRIAGE AND PACKING FREE IN UNITED KINGDOM

**LOOK TO YOUR STOCKS AND
SEND YOUR ORDER NOW**

**P. H. GALLOWAY, LTD.
LONDON, S.E.17**

Special New Year Bonus Offers

for Window Displays of

Lysolats

(LYSOL TABLETS)
The safe form of lysol

PARCEL No. 1.	PARCEL No. 2.	PARCEL No. 3.
3 doz. 1/3 size @ 10/6 doz. £1 11 6 Bonus 1/4 doz. 1/3 size.	5 doz. 1/3 size @ 10/6 doz. £2 12 6 1/2 doz. 2/- size @ 18/- doz. 9 0 £3 1 6 Bonus—1/2 doz. 1/3 size. 1 only 2/- size. Parcel sells for £4 16 6	10 doz. 1/3 size @ 10/6 doz. £5 5 0 2 doz. 2/- size @ 18/- doz. 1 16 0 Total cost ... £7 1 0 Bonus—1 doz. 1/3 size. 1/2 doz. 2/- size. Parcel sells for £11 5 0

Parcel sells for **£2 8 9**

Artistic 3-fold Display Screen, Showcards and Pamphlets for distribution with each parcel. Each parcel carriage paid through usual Wholesale House.

Cut out this Coupon and send it to—
Solidol Chemical Limited,
Disney St., London, S.E.1

Please send me {
PARCEL No. 1
PARCEL No. 2
PARCEL No. 3
(Cross out parcels not required.)

Wholesaler's Name.....
Wholesaler's Address.....

ATTACH YOUR STORE LABEL TO COUPON.

Tested, Tried and Proved

THE value of 'Yadil' is fully recognised by qualified judges. It has been sold all over the world and is being used to-day "back of beyond" as well as in the homes of our own country. Its sale is steadily increasing, old customers are retained while new ones are being added. One or two displayed bottles will quickly establish business which will prove profitable and regular. Any assistance we can give in the provision of advertising material is yours for the asking. The 'Yadil' lines cover, 'Yadil' Antiseptic (liquid and pills), 'Yadil' Ointment, 'Yadil' Pastilles and 'Yadil' Soap.

Yadil Products (1925) Ltd.
Sicilian House, London, W.C.1

PROFIT & REPUTATION

Assured by avoiding imitations and selling

"O. A. P.'s"

ORIGINAL ANTISEPTIC PASTILLES

As prepared by WM. ALFRED JONES
late Joint Proprietor of the

LIVERPOOL THROAT HOSPITAL

Samples and prices on application

Sole Agents, WM. ALFRED JONES LIMITED,
West India House, Maryland Street, LIVERPOOL.

1/3 Bottle **"KOF-OH"** 3/- Bottle

(Government Stamped)

The GREATEST COUGH CURE for the COMING SEASON

THE Profit-bringer.

Write for Generous Trade Terms and
SPECIAL WINDOW DISPLAY BONUS.
DO IT NOW!

KOF-OH CO., LTD., Everton, Liverpool

The Public are
responding to the
Doctors' & Nurses'
Recommendations
of the New
Sunshine Glaxo

the sunshine way to
radiant health for
babies & mothers-to-be

no more bad teeth
no more constipation

Sunshine Vitamin D in the New Glaxo

Sunshine Glaxo is the new Prescription (Humanised) Glaxo. It differs from ordinary Standard Glaxo, to the extent that it accords closely in composition with human milk and has extra Vitamin D (the Sunshine Vitamin) added to it.

Tins of Sunshine Glaxo are sent out with a yellow paper band round them, whilst the tins themselves are white and quite distinctive.

There are only two sizes—

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Make a display in your pharmacy with a tin of each size and the attractive showcard which we shall be pleased to send you on request.



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25 for 10½d.
50 for 1/6
P.A.T.A.

LYCO

*Pure Culture
Yeast Tablets*

Literature and Samples supplied on request by:

**STANDARD YEAST
CO., LTD.**

**LONDON
CHISWICK
W.4**

Guarantee

Our Lyco Yeast Tablets are expressly guaranteed to contain pure Culture Yeast only and no addition of drugs or any other ingredients is made in the preparation of Lyco Yeast Tablets.

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Build up your Strength

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MULFORD'S B.F.I. SURGICAL DRY DRESSING has been in use by Physicians and

Hospitals for more than thirty years. It is a *safe* dry dressing, which does not cake and is therefore ideal for wounds or where a weeping surface is present.

Supplied in handy tins in two sizes:

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GOOD
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Tonic, Restorative,
Digestive Wine.

Known throughout the World,
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ANÆMIA, DEBILITY, and
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Women, Children and the Aged.

DOSE: One wine-glass after the
two principal meals.

Recommended by—
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"For more than thirty years St. Raphaël Wine has been
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it is necessary to give tone to the system, without effort
or shock."—DR. C. DES BARRES.

Cie du VIN SAINT RAPHAEL, Valence, Drome,
FRANCE.

**To be obtained from all
Wholesale Druggists.**



When you require
Medicinal Non-Freezing

COD LIVER OIL B.P.

be sure to only get the
guaranteed genuine

LOFOTEN

Quality

"VITA" BRAND

produced by

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entirely in their own large and most
modern plant of latest design, from
finest possible obtainable quality
Pure Lofoten Cod Liver Oil.

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AHEAD—ORDER NOW**Reliance**REGD. TRADE MARK
Seamless-Moulded**HOT
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BOTTLES**British made from pure
Plantation Rubber and
perfectly vulcanised.
Unique Designs.

Beautiful Colourings.

Buy your Rubberware
direct from the most up-
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the trade—who for Forty
Years have given real good
service to the Retailer—
good profits, quick de-
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Fixed Prices.**Reliance Rubberware Ltd.**

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Surgical, Industrial & Household
GLOVES**"THE TEMPER OF FINEST STEEL"***When pulled
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NEVER.*THE TRADE EXCLUSIVELY
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**IMPROVED
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Magnifying Power 50 to 420 diams.
In case with lock and key.
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15 GOLD MEDALS
16 GRAND PRIX

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BLUE CARTON
CRÉPE BANDAGES

Cost	12/-	15/3	18/3	21/3	24/3
Sell	16	1.11	2.3	2.8	3/-

**You will
find it pays!**

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**"STERAID" Regd. Dressings**Patent No. in Great Britain
221761/1924 and patented in all
the principal foreign countries.Patent Rotating Canister packing to retain aseptic conditions. In use, only the
amount required is withdrawn and cut off. The remainder is not exposed.

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Sal Alembroth	2/3	1/3 1/2
Sublimate	1/3 1/2	1/8 1/2
Carbolic	20/3	11/6
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6-yd. 3-yd. 1-yd. 6-yd. 3-yd. 1-yd.		
Plain Absorbent	2/-	1/2 -/8
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PLAIN and BORIC.

	Min. Public Prices	Min. Trade Prices
2in. wide	1/3 each	11/3 doz.
4 "	1/9 "	15/9 "
6 "	2/3 "	20/3 "
Approx. 6 yds. Plain and 4 yds. Boric		

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ZINO PADS**For Corns, Bunions,
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QUALITY and FINISH.

Are Selling Lines and bring Repeat Business.
Allow us to quote you when next in the market.

CHEMISTS' FITTINGSOF EVERY DESCRIPTION.
NEW AND SECONDHAND.**E. BERG, LTD., 336 Old Street, E.C.1**

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All sizes in stock ready for delivery per return. List and Terms on application. Catalogues supplied free for distribution.

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*The best known and most reliable non-greasy
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NON-GREASY**ODOURLESS Quinine PESSARIES**

Price 15/- per dozen Tins.

SEND FOR FREE SAMPLE.

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English Made
MOULDED
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BOTTLES**Reinforced**

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10X8	39/= doz.
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**PACKED EACH
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THE FINEST ADEPS LANÆ

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finest quality of Liquid
Paraffin produced. It has
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If you are looking for the perfect

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Makers for the Wholesale Trade.

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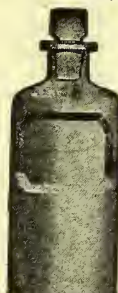
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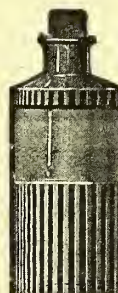
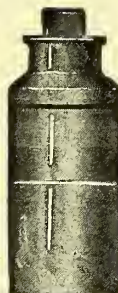
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Hand-turned Shop Rounds.



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Recessed Poison Rounds.



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of the finest finish. Perfect Stoppering. Made in glass free from arsenic and lead; this feature is of vital importance in the case of Shop Bottles.



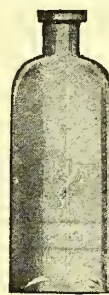
R.C. Flat.



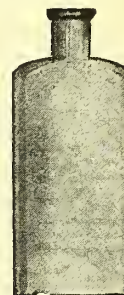
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DISPENSING BOTTLES—

accurate in Capacity, free from arsenic and lead, and handsome in appearance. The aristocrats of bottles.



Oval.



Oval Fronted Flat.



B.C. Square.



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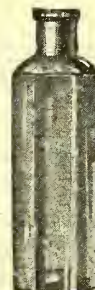


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The finest the world has yet seen. Made in beautiful lustrous white flint glass which is so durable that it may be boiled continuously for twenty-four hours without shewing signs of deterioration.



Oval, 2 Flat Sides.



Octagon.

Sold by all the Leading Wholesale Houses.

WOOD BROTHERS GLASS CO., LTD.

BARNSELY,

(Established 1828)

ENGLAND



ROBINSON'S of CHESTERFIELD for CARDBOARD BOXES

ROUND • OVAL • SQUARE • FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



"SAMPLING" BOXES

Illustrated above are a few of our "Sampling" Boxes.

These little boxes are very neat indeed and are fitted with self-sealing lid which can be supplied either in the dredger type or plain.

Send for samples and prices.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES,

CHESTERFIELD

GARDINER'S OVERALLS

FOR

Chemists and Druggists

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS	...	...	6/11, 8/11, 10/6
KHAKI DRILL COATS	...	6/11, 8/11, 10/6, 12/6, 14/6	
WHITE DRILL COATS	...	9/6, 12/6, 13/6, 15/6	
BLACK DRILL COATS	...	...	15/6
UNBLEACHED COATS	...	...	8/6

STOCK SIZES: 34 to 44 chest measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

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& CO. (The Scotch House), LTD.

1, 3, 5 COMMERCIAL RD., LONDON, E.1

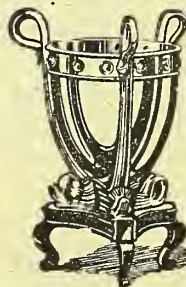
Telephone: Bishopsgate 6751

Established 1839

BRANCHES:

Deptford, Edgware Road, Woolwich,
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*In the last
5 years
the sales of*



TOWN TALK

LIQUID SILVER POLISH
& SILVER PLATE CLOTH

have increased
3 Fold

Get your share of the
trade by ordering from

JAMES WOOLLEY, SONS & CO., Ltd.,
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Let the appearance spell intrinsic value

The more attractive your goods the better they will sell, naturally. Let their appearance spell intrinsic value and reap the benefit of bigger sales and accordingly bigger profits.

The "Viskap" gives that final touch of attractive completeness to bottled goods that makes the package "pay its way," especially in medical and toilet products. The "Viskap" placed over the bottle-neck wet, dries with an elegant finish and assumes the shape of any particular cork, fancy stopper or sprinkler.

Make your bottles look better with

VISKAP

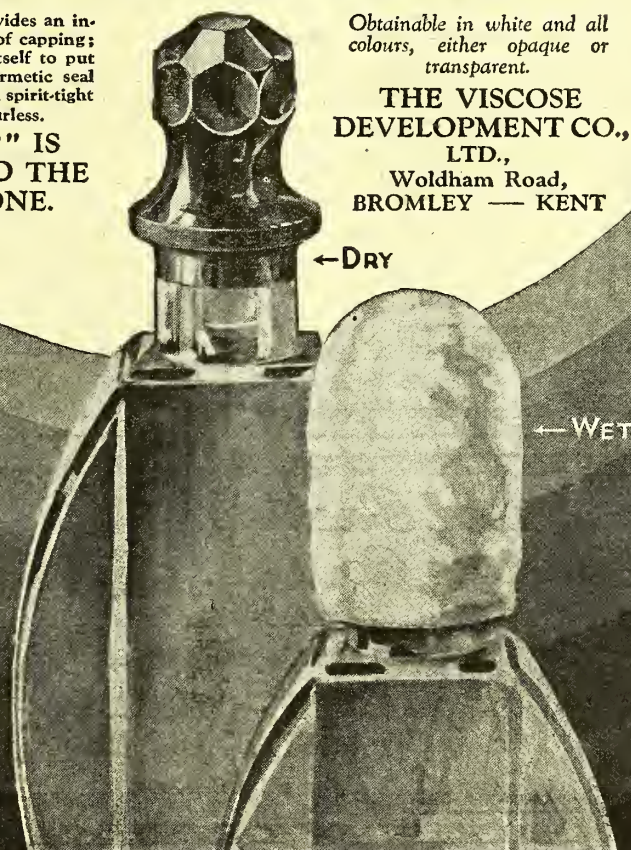
HERMETIC SELF-FIXING
BOTTLE CAPS

The "Viskap" provides an inexpensive method of capping; it is simplicity in itself to put on, is a perfect hermetic seal that is grease-proof, spirit-tight and absolutely odourless.

"VISKAP" IS
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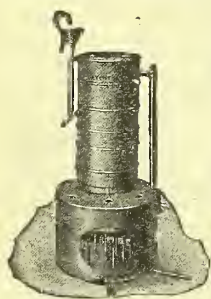
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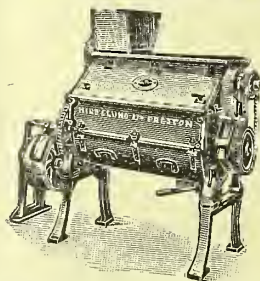
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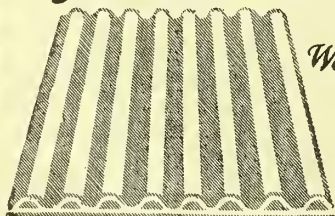
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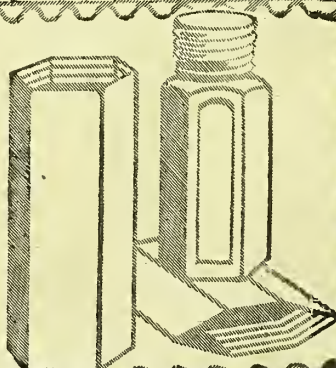


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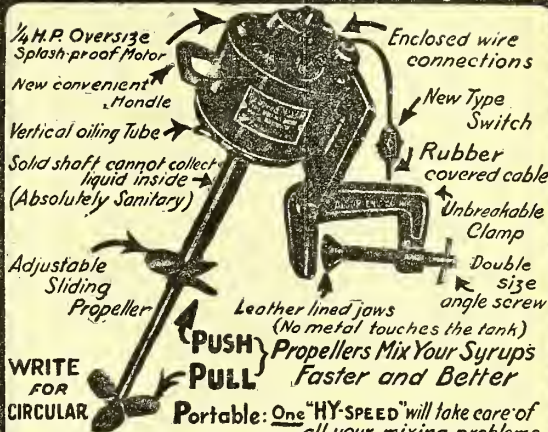
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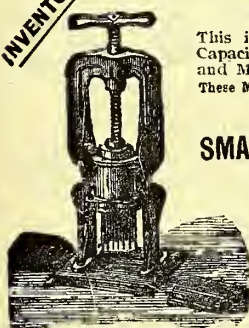
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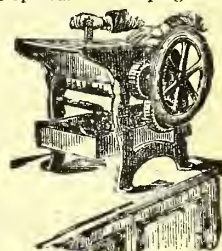
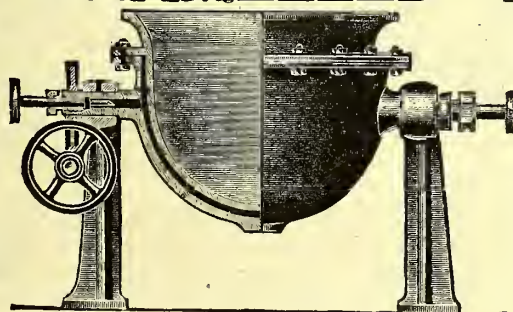


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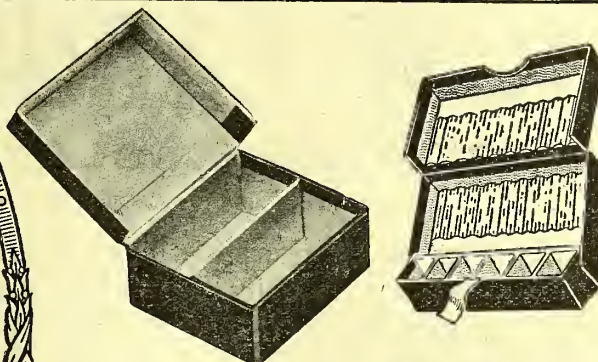
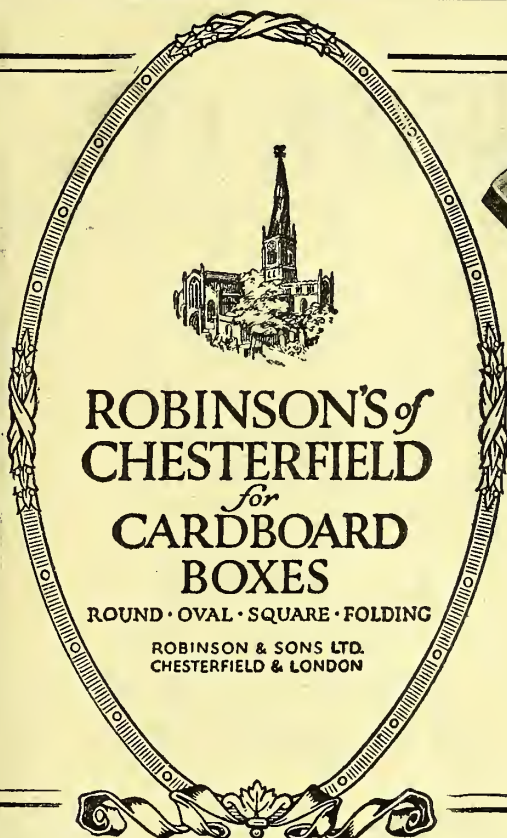
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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
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JANUARY 19, 1929.

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- 13.—CARMARTHENSHIRE.—Old-established Chemist's Business situated in good position on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35-£40; could be increased; stock approx. £8-900. Further particulars on application. (176)
- 14.—LANCS.—Old-established Chemist's Business, with Wine Licence; premises consist of shop and dwelling-house; property for sale, £1,000. Full particulars on application. (177)
- 15.—LONDON, N.—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to run; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)
- 16.—LONDON, S.E.—Old-established Dispensing and Family Business; in good position; returns average £20 per week; well-fitted shop; good scope for young and energetic chemist; price, all at £550. Full particulars on application. (184)
- 17.—LONDON, S.E.—Well-situated Drug Stores; premises held on lease, with 17 years to run, at rental of £68 per annum; let off £91; returns average £25 to £50 per week; good opening for N.H.I.; growing district; fullest particulars on application. (185)
- 18.—ESSEX.—Two Chemists' Shops for immediate disposal; premises held on lease at rental of £62 and £52 respectively; returns average £1,189 and £792 per annum; price asked £1,000 all at; full particulars on application. (187)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

ERNEST J. GEORGE

Chemists' Valuer

Invites enquiries relative to the following, which have been carefully investigated.

- 27.—POPULAR LANCASHIRE WATERING-PLACE.—Good corner Pharmacy; tram route; turnover £2,500; net profit £550; large Photographic trade; excellent scope for general increase for keen man; stock and fixtures at valuation; goodwill to be arranged.
- 26.—LONDON, E.—Main road position, doing £990 p.a.; N.H.I., Kodak Agency, good Prescribing; living accommodation; price £650, a.a.; premises must be bought (£1,000).
- 25.—LONDON, W.—Excellent opportunity for unqualified man to acquire unopposed Business doing £700 (with Kodak Agency); price £275.
- 23.—LONDON, S.W.—Old-established Family and Dispensing Business, with Photo and Optics, also N.H.I.; well-fitted and stocked Pharmacy; good house, garden, side entrance, etc.; price £1,200 (optical stock and equipment extra, and optional).
- 22.—MIDLANDS.—Excellent opportunity for young qualified man; Drug Store in growing district; population 4,000-5,000; no opposition; well fitted and stocked; good living accommodation and lease; rent 17s. 6d. weekly; present turnover £750; audited accounts; doctors and nursing home near; good prospects for N.H.I.; live Kodak Agency; qualified man could considerably increase; stock and fittings about £300; total ingoing for quick sale, £500.
- 21.—BERKSHIRE.—Unopposed position, with scope for Pharmacist; good house and well-equipped pharmacy; price of freehold, including new fixtures, £1,600; stock (about £300) at valuation.
- 19.—Special offer of Wholesale Druggist's Business in provinces; turnover about £10,000; good net profits; capable of much expansion; inquiries invited.
- 18.—CHESHIRE.—Small Family Business; immediate living for young pharmacist; present turnover £900; can be increased; favourable lease, 20 years to run; rental £32, rising to £38; no living accommodation; stock and fixtures about £1,100; goodwill to be arranged.
- 16.—LANCASHIRE COAST.—Turnover, about £1,900; profit £450; stock and fixtures, estimated £1,000; total ingoing £1,500; Kodak Agency; lease can be arranged.
- 15.—NORTH STAFFS.—Family and Dispensing, with Optics and Photography; N.H.I. average 750 scripts per month; turnover, approximately £1,300; profit about £550; price £800; premises can be bought or leased; rent 25s. weekly; living accommodation.
- 14.—YORKS.—Small Business in suburb, doing £1,000; rent £52; sub-let 14s. per week; good opening for Optics, Dentistry; price £350.
- 13.—DERBYSHIRE.—Old-established Business, doing £40 per week; N.H.I., Photo; good house; excellent opportunity for Optics; rent £50 per annum; price £1,400.
- 12.—HANTS.—Double-fronted shop in centre of market town, doing £2,000; rent £100; sub-let £65; N.H.I., Photo; price £1,600.
- 11.—LONDON, N.W.—Family and Dispensing, N.H.I., Photo; turnover £1,200; rent £140; sub-lets £105; price £450 (stock and fixtures at valuation).
- 8.—LONDON, N.—Old-established Business, doing £1,572, under management; net £267; lease 9 years (renewable); rent £75; N.H.I., Photo; balance-sheets available; price £1,250.
- 6.—LONDON, E.—Unopposed position; population 14,000; N.H.I., Kodak Agency, also big Prescribing; capable of considerable increase; turnover £1,517; profit £203; rent £60 per annum; sub-let £52 10s. per annum; price £1,000.
- 5.—LONDON, W.—Good Retail, in main road, with scope; N.H.I., Photo; turnover £1,770; rent £250; lease 18½ years; two flats over, let off; price £1,350.
- 4.—LONDON, W.—Family and Dispensing, in busy district; Kodak, Rexall and Optics; well fitted and stocked; flat above; turnover £2,080; lease 18 years; rent £200; lease and fixtures £1,300; stock at valuation.
- 2.—LONDON, S.E.—Established 40 years; turnover £730; net profit £225 (plus house free); good opening for young Chemist beginner or unqualified Drug Store; price £375.
- 1.—LONDON, E.—Established 50 years; general trade with N.H.I. and Photography; living accommodation; turnover £850; net profit £250 (plus house free); scope for increase; price £425.

STOCKS, ETC., VALUED FOR ALL PURPOSES

7 Southampton Row, London, W.C.1. Tel.: Holborn 8158
3 St. Paul's Close, Walsall. Tel. 774 and 1000

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS.

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—ESSEX (25 miles out).—Profitable Cash Retail with Branch, returning about £2,000; gross profits £800; audited figures; scope for increase; growing district; fully stocked; price £1,000, or valuation terms arranged.

2.—SOUTHERN COUNTY.—Good-class Business, with Kodak Agency; returns £25 weekly; excellent prospects; good position; low rent; house available; price £900.

3.—SOUTHAMPTON (Near).—Progressive Cash Retail, in rapidly growing district; returns over £1,900; audited books; good stock; well-fitted pharmacy, with convenient house; price to be arranged.

4.—EASTERN COUNTY.—Middle-class Retail, in small market town; returns over £1,450, increasing; low expenses; house available; heavily stocked; illness cause of selling; price £1,000, or offer.

5.—KENT.—Light Cash Retail and Prescribing; no N.H.I., but plenty of scope; returns about £1,000; good profits; low rent; own property; owner retiring; valuation terms arranged.

6.—SOMERSET.—Unopposed Village Business; delightfully situated near sea; turnover about £600, under manager; low expenses; on lease; lock-up shop; offers invited.

7.—CORNWALL.—Light Retail Dispensing, with Kodak Agency; in busy market town; returns £1,200; net profit £350; large house and pharmacy; good stock; price £500.

8.—SURREY (Growing Suburb).—Good-class Drug Store, returning about £1,000; plenty of scope; no near opposition; modern shop, well-fitted and stocked; nice house; low rent; price £750; illness necessitates early sale.

9.—LONDON, S.W.—Light Cash Retail, with N.H.I.; main road position; returns, under manager, £2,000; net profit £458, clear; good stock; price £1,150; personally recommended.

10.—LONDON, N.W.—Cash Drug and Photographic Store for early disposal; returns last year £1,100; excellent opening for Panel; house attached; price £450 cash; trial allowed.

STOCKTAKING VALUATIONS.

We are now booking dates for February and onwards, and invite early application. Terms on application.

Etab. 1870.

Telephone: Terminus 3574.

JOHN BRIERLEY, F.N.A.A.

CHEMISTS' VALUER AND TRANSFER AGENT,
135 QUEEN ST., NEWTON HEATH, MANCHESTER

"STOCKTAKING AND TRANSFER VALUATIONS."

If you require the personal services of an expert, at a modest fee, get in touch with me. "Your interests are mine."

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Manchester.—Smart pharmacy for sale, property optional. Stock and Fixtures at valuation. Chemists' Stock for sale, approx. £200, no reasonable offer refused. Chemists' Stock and Fixtures for sale, first £500 secures.

Further particulars apply

CHARLES E. NAYLOR, F.N.A.A.,

CHEMISTS' VALUER.

170 Vesper Road, Kirkstall, LEEDS.

Tel.: Horsforth 324.

BUSINESSES FOR DISPOSAL.

GLAMORGAN.—Splendidly fitted shop, Mixed Retail, Optics, Wine Licence, Photo and N.H.I.; sole monopoly of mining town; all works in full swing; good house; net profit (present) £400; no reasonable offer refused for quick sale; domestic reasons for disposal. 123/34, Office of this Paper.

INLAND HEALTH RESORT.—Good-class Retail and Dispensing Business; unique position; returns £3,000; net profit above the average; living accommodation. Apply, giving banker's reference, to 126/37, Office of this Paper.

LEEDS.—Healthy industrial district; commodious Pharmacy; excellent fittings; good clean stock; Kodak and Ucal Agencies; good living accommodation; established as Chemist 12 months; doing £20 weekly; 303 N.H.I. scripts monthly; steadily increasing; owner compelled to go abroad; accept £400, or nearest offer for prompt sale. Marsden, Chemists' Valuer, 41 Sholebroke View, Chapeltown Road, Leeds.

LIVERPOOL.—Old-established Retail Business for Sale (with N.H.I.); good position on main road, vicinity of large numbers of factory employees; well stocked; ample storage room; mahogany fittings; commodious house accommodation if required. 126/33, Office of this Paper.

LONDON, W.—Main road working-class district, at present taking £15 per week under very neglected management; has taken nearly double; low rental on lease; owner will accept £300 for quick sale, or terms might be arranged. Particulars at interview only. Apply 118/19, Office of this Paper.

LONDON, S.E.—Business for Sale; turnover £1,000; Panel 4,000; in rapidly-growing district; prospects of very big business in near future; handsomely-fitted shop, on main thoroughfare; satisfactory reasons for disposal. 125/11, Office of this Paper.

LONDON (near West-End).—Well-fitted, good-class Pharmacy, in centre of high-class residential district; lock-up, double-fronted shop and basement; returns approach £40 per week at exceptional prices; total overhead expenses 45s. week; long lease; no near opposition; wide scope for qualified man; price £1,000, or near offer. Apply, giving banker's reference, 126/25, Office of this Paper.

LONDON, N.W.—Drug Store in side street; thickly populated district; old-established shop; takings, 1928, £1,094; Chemist could easily increase; large scope for N.H.I. Dispensing, which, with other things, is at present refused; Kodak Agency; good Photographic trade; good living accommodation; 13 years' lease; price £450, inclusive; arrange interview for further particulars. 127/31, Office of this Paper.

MINEHEAD (2 miles).—Chemist's Business; stock, fixtures and fittings, £500; rent of lock-up shop and store room behind, 10s. per week; favourite locality. 141/911, Office of this Paper.

NEWCASTLE-UPON-TYNE.—Two centrally situated Businesses for Sale; main shop £1,200; well stocked; Wine Licence; Branch £500; stock about £350; bankers' references for full particulars; genuine bargains; owner retiring. 126/13, Office of this Paper.

NORTHUMBERLAND.—Modern Drug Stores; selling for family reasons (first deposit £70 secures); healthy country district (Tyne); last opportunity M.P.S. to secure an unopposed opening; returns, 3 years, £630, £862, £953; Kodak; single-fronted, lock-up shop; low rent; good stock; price £225; stock valuation, or suit purchaser; offers considered; stamp other details. 127/18, Office of this Paper.

NORTH WALES (Seaside Resort).—Takings over £1,000; good Family Business; quick sale required; first fair offer accepted. Apply 141/906, Office of this Paper.

SOUTH COAST.—General Retail Family trade, with Kodak Agency, good Photographic connection, in residential area; returns £1,100, increasing; very profitable; small shop and house, held on lease at £44, including rates; fitted gas and electric; side door; owner buying larger concern; price £650, or near offer. 127/15, Office of this Paper.

SURREY suburb; main road; few doors from Sainsbury's; doing £1,500 under management; large well-fitted lock-up shop; Kodak Agency; little N.H.I.; £1,250 for quick sale; big scope for progressive man; only inquiries from genuine buyers replied to; no agents. 127/11, Office of this Paper.

WESTERN MIDLANDS.—Sound high-class Business for Sale; established over 150 years; best position in town; long lease; living accommodation; good all-round stock; expenses low; turnover over £3,000 per annum; Optics and Photography; accountant's figures and every investigation to bona-fide clients; cash buyers only, and bank references essential. 123/16, Office of this Paper.

WILTSHIRE.—Small established Retail Business in large and growing village; takings last year £600; rent £55 per annum, including house over, containing three bed and one living room; fixtures in good condition; present occupier not qualified; considerable opportunity for expansion. Apply Hancock & Gusden, Market Place, Devizes.

CHEMIST'S, good-class, main road, Balham district; established 15 years; smart and well-fitted shop, 6 rooms, bath, etc.; lease at £70; turnover, auditors' figures, £1,437; net profits £431; trade increasing; price £600; s.a.v.; strictest investigation invited. Apply Southern Estate Co., 148 London Road, Mitcham. Phone: Mitcham 1524.

FOR immediate disposal, owing to death of proprietor, Locking Road Pharmacy, Weston-super-Mare; living accommodation (at present sub-let) if required; bargain for quick sale. Apply to Wilkinson, 27 Stafford Road, Weston-super-Mare.

FOR SALE, good-class, old-established Retail Chemist; near Victoria, S.W.1; regular satisfactory turnover; advantageous lease. 126/40, Office of this Paper.

FOR SALE, excellent Business in Scotch country town; estimated net profits £350 per annum; easy ingoing; immediate possession. 141/909, Office of this Paper.

GOOD Country Pharmacy for Sale; Kodak, Rexall Agencies; Tobacco licence; Family Dispensing, Veterinary and Photographic Business; growing Optical connection; profit £6 per week; all at £450, or valuation of stock, fixtures, etc. Apply, "Apex," 125/28, Office of this Paper.

LOCK-UP Shop in good working-class district for disposal; all cash trade, £1,000 per annum, increasing, and scope for Prescriber; good N.H.I. and Kodak, etc.; inclusive rent (for long lease) £1 per week; only those with cash and genuine purchasers need apply; valuation terms considered. 125/10, Office of this Paper.

SUPERIOR Optical Business, South Kensington; busy main road; large lock-up shop and basement; rent, £225; turnover £1,250; net profit £520; lease (14 years), goodwill, fittings and fixtures, £450; stock at value if required. Further particulars willingly given to bona-fide inquiries. Sussex House Optical Co., 1a Glendower Place, Onslow Square, S.W.7.

WANTED to dispose of immediately a Chemist's Business in South Wales; no near opposition; receipts over £1,700 per annum, including N.H.I.; profit about £400 per annum; lock-up shop in busy thoroughfare; scope for development in Photographic; middle-class trade; rates about £25 per annum; leasehold (about 14 years to run); stock by valuation; family reasons for selling; good opening for young man; £550, or nearest cash offer; banker's reference required. Reply "1929," 121/21, Office of this Paper.

£250 SECURES old-established Business, including £150 stock; situated S.E. district; corner shop, two windows; electric light; taking £660 per annum, under elderly management; has done £1,000 per annum; rent and rates 26s. weekly; 21 years' lease; house vacant; could let off £1 per week; good reason for disposal. 141/907, Office of this Paper.

£275 CASH, or near offer.—Drug Stores, situated busy main road Lancashire town; splendid opening for N.H.I. and Photographic; electric throughout; with or without house; handsomely fitted solid mahogany; smart and compact; suit young, qualified Chemist; owner has other interests. 125/24, Office of this Paper.

BUSINESSES WANTED.

SHEFFIELD OR DISTRICT—High-class Business required; turnover at least £2,000; cash available. Send particulars (in confidence) to "Accountant," 140/894, Office of this Paper.

CHEMIST wishes to purchase, cash waiting, sound, middle-class Cash Business; London area or suburban preferred. Full particulars, in confidence, returns, net and gross profit, rent, lease, salaries, rates, etc.; reference given if required. 125/27, Office of this Paper.

CHEMIST'S, in or near London, with good living accommodation. State fullest particulars (in strictest confidence) to 121/120, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking Businesses in all parts, up to £3,000. Private register kept, and sales are negotiated without any publicity. Correspondence cordially invited. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

WANTED, sound business returning £3,000 or more; cash waiting; must bear investigation; preliminary details as to lease, rent, turnover, staff, etc., in first instance; banker's reference if desired; all communications private and confidential; country town preferred, between 14,000 and 40,000 inhabitants. 127/8, Office of this Paper.

PREMISES TO LET.

BRIXTON ROAD.—Shops, about 17 ft. by 50 ft. each, with upper part of 4 rooms, Kitchen and bath; lease 21 years; rent £500 per annum; no premium. Apply, Messrs. Hillier, Parker, May & Rowden, 27 Maddox Street, W.1.

WITHAM, ESSEX (L.N.E.R.) main line and Ipswich-Yarmouth main road, London 40 miles.—Two excellent Shops with living accommodation to let in centre of town on main road; recently rebuilt; all modern conveniences available; rapidly increasing district, with small local opposition. Apply H. J. Wright, Rayne Road, Braintree.

TO LET.—A particularly smart, modern, lock-up Shop, bow-fronted windows, at present high-class confectioner's and tobacconist's; handsome interior fittings, eminently suitable for Chemist in neighbourhood badly in need of same; an inspection would convince; inclusive rental of shop 30s.; fixtures, counters, etc., £170; an excellent opportunity. Apply to Lock's, Music Dealers, Swindon.

SOLE AGENCY OFFERED.

WILSON'S LIMITED (Estab. 50 Years) (The Wilson Veterinary Medicine Manufacturing Co. Ltd.)

We invite applications for Sole Agency in most Provincial Towns and separate London Districts for the sale of our Cat and Dog Worm Capsules (and other Vet. Medicines).

33½% TO THE RETAILER. SELLING PRICE 2/6.

NO STOCK NEED BE PURCHASED.

ADVERTISING MATTER SUPPLIED FREE.

The only Capsule in the world which—

Needs no Starving.

Gives no Pain.

Requires no Castor Oil.

Expels in 30 minutes.

Thousands of entirely unsolicited Testimonials.

Particulars from

Sales Manager, ARTHURS BRIDGE, Woking.

AGENCIES.

ADVERTISER, with good connection amongst Chemists, Druggists and Stores in London and provinces, is open to accept an Agency on commission; highest references and guarantee. 125/78, Office of this Paper.

AGENCY required by City firm for London and Home Counties; room available for stock; retail display, main thoroughfare, and personal representation. P.C.B. 85/6, Office of this Paper.

AN old-established firm of Manufacturing Chemists are anxious to get into touch with Agents or others who can introduce several of their quick-selling lines to Colonial and Foreign Markets; payment for services will be generous, but must be based on tangible results. 141/905, Office of this Paper.

SALE BY AUCTION.

To Manufacturing and Retail Chemists. Removed from New Bond Street, W.1.
SALE ROOMS: 62a ALDERSGATE STREET, LONDON, E.C.1.

THE HIGH-CLASS STOCK OF PERFUMERY, in bulk and packed, French and English Perfumes, Toilet Soaps, Cut and Plain Bottles, Fancy Goods, Plate-glass Showcases, All-glass Counters, etc.

FRANK G. BOWEN, LTD.,

will Sell by Auction, at their Sale Rooms, as above, on **THURSDAY, JANUARY 24, 1929**, at 12 o'clock. On View day prior and Morning of Sale. Catalogues of the Auctioneers, as above.

Re Diehl. By Order of the Liquidator, and other Estates. Removed for convenience of Sale.
5 LITTLE BRITAIN (close to G.P.O.), LONDON, E.C.1.

The almost new and well-made **CHEMISTS' FITTINGS and SHOWCASES**, including Dispensing Counters and Screens, Druggists' Labelled Nests of Drawers, Wall Fittings, and Recess Mirrors, Chemists' and Perfumers' mirror-lined and other Wall Showcases, Counters with slope fronts and mirrored doors at back, all plate-glass Counters and Silent Salesmen, and Centre Showcases, plate-glass Shelves, Cash Desks and Tills, Office Furniture, Safes, Typewriters, Linoleum, Chairs, etc.

B. NORMAN & SON

will Sell by Auction at their Sale Rooms as above, **WEDNESDAY NEXT at TWELVE o'clock.** On View Day Prior. Catalogues of the Auctioneers as above. Telephone: Central 6463.

APPRENTICESHIP.

CHEMIST'S son, matriculated, seeks Apprenticeship within daily reach of Watford, with facilities for attending London evening classes. Particulars and terms to Ernest Samways, 418 St. Albans Road, Watford.

TENDERS INVITED.

THE Director-General, India Store Department, Belvedere Road, Lambeth, London, S.E.1, invites Tenders for:-

- Schedule 1. 4,260 lbs. Bismuthi Subnitras, B.P., etc.
Schedule 2. 44,000 gallons Cresol, Saponified (Sample required with tender).
Schedule 3. Hydrargyrum B.P., Hydrargyri Subchloridum, etc.
Schedule 4. 1,560 lbs. Iodum, B.P., and 960 lbs. Iodoformum B.P.
Schedule 5. 62,550 lbs. Lint, Plain.
Schedule 6. 43 lbs. Santoninum, B.P.
Schedule 7. Hot water Bottles, I.R. Waterproof Sheeting, Cushions, Air, etc. (Samples of materials required with tender).

Tenders for all Schedules due on 8th February, 1929.

Forms of Tender available from the above at a fee (which will not be returned) of 5s. for each Schedule.

PARTNERSHIPS.

CAPABLE, experienced, qualified Manager, 27, seeks Partnership or similar, preferably with elderly Chemist who wishes eventually to retire; highest credentials; abstainer; small capital; middle class trade. 123/21, Office of this Paper.

PARTNERSHIP or management, view to early succession; London or Coast; living accommodation essential. Reply (in strictest confidence) 121/12, Office of this Paper.

UNQUALIFIED requires position as Senior Assistant; 20 years' experience; Partner; £500 down. Particulars, "Statim," "Montrose," Sturry, Kent.

SITUATIONS OPEN.

RETAIL.

[HOME.]

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN. THE PHARMACEUTICAL JOURNAL.

APPPLICATIONS are invited for two vacancies for Canvassers in the London area. Applicants (who may be of either sex) should be Pharmacists and preferably not over 25 years of age. Experience of advertising will be an advantage, but is not essential. Remuneration will be by means of salary (dependent on experience) and commission. Applicants are asked to state the total remuneration expected. Applications, including the usual particulars of age, education and experience, must be received by the Secretary, Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, on or before Monday, February 18, 1929, accompanied by copies of two testimonials or by the names of two persons willing to act as referees.

CROYDON (near).—Wanted, at once, qualified Assistant in medium class Store business; good Window-dresser, with knowledge of Photography and Toilet goods; must be quick and good Counterman. State experience, age (not over 46), references, and salary required. 123/23, Office of this Paper.

LEICESTER.—Improver or Junior wanted; one just completed apprenticeship would suit. Particulars of experience, salary, etc., to Wilby, Chemist, 124 Humberstone Road, Leicester.

LIVERPOOL.—A permanent and comfortable situation is offered to a thoroughly experienced and energetic Assistant, age 24 to 30; must be an accurate Dispenser and good Window-dresser and have first-class references. Please give full particulars (in confidence) and state when disengaged to "Punctual," 123/19, Office of this Paper.

LONDON, S.E.—Wanted, February 1, young Junior Assistant (male). Apply, stating age, experience, salary expected, to P.C.B. 84/22, Office of this Paper.

LONDON, E.—Unqualified Assistant required, lady or gentleman, young, for N.H.I. and Counter. Write, stating full particulars and salary required. Applications unanswered within a week respectfully declined. Apply Massinghams, Ltd., Chemists, 34c Green Street, Bethnal Green, London, E.2.

LONDON, N.—Reliable Assistant required for quick Cash business; good Window-dresser; N.H.I., Counter and Stock; not over 50. Please state age, experience, salary required, and when disengaged. Pirie, 4 Grand Parade, Harringay, N.4.

LONDON, W.—Qualified man (25-30); smart appearance and address; experienced all departments high-class modern pharmacy; prospective Managership; permanency (outdoors); start early February. Apply, giving reference, age, height, experience and salary required; enclose photograph. Cofmans Pharmacy, 129 Baker Street, W.

MANCHESTER.—Qualified lady or gent. required to manage branch shop, Cash Retail and Photographic, with N.H.I. Please state experience, age and salary required to 123/26, Office of this Paper.

MANCHESTER.—Qualified Manager wanted, not over 35, for Cash Retail and N.H.I. Dispensing; knowledge of Photography; working-class district. State full particulars, including age, experience, salary, copy references, and when at liberty. Latewards, 389 Ashton New Road, Manchester.

NEWPORT, MON.—Qualified Manager required for shop, with house attached; applicants must be thoroughly conversant with modern business methods, and be used to a busy Counter trade, including wines and spirits. Give full particulars of experience, and state age, salary required, and when at liberty. 123/18, Office of this Paper.

SHEFFIELD.—Gentlemanly Assistant, about 24 years of age, unqualified, with good experience, for Light Retail, Dispensing and Photo business. Full particulars, age, experience; salary required, etc., to 126/10, Office of this Paper.

YORKSHIRE, WEST RIDING.—Qualified Manager required for Light Retail and Dispensing business, with house attached; good agreement on takings given. Apply, stating age, salary required, and when at liberty, 123/180, Office of this Paper.

A SMART, experienced Assistant wanted; Dispensing, Counter and Stock; unqualified; age about 30. Please give full particulars of experience, age, etc., etc. D. H. Owles (J. R. Faulkner & Co.), 173 Ladbroke Grove, London, W.10.

DISPENSER (part-time), Fulham.—Wanted, at once, a qualified N.H.I. Dispenser; would suit retired M.P.S.; hours 12 to 1 five days a week and 6 to 8 daily, including Sundays; state age, qualifications, and inclusive weekly salary required; offer for evenings only might be considered. Write Cody, 52 York Road, Battersea; or 'phone Battersea 5418.

DISPENSER-BOOK-KEEPER (lady); able to assist at Counter if required; must be quick and accurate. Apply, giving full particulars, to Court, Chemist, Harbour Street, Whitstable.

JUNIOR required for middle-class business; must be capable Dispenser and quick Counter-hand; comfortable permanency for hard-working youth who is anxious to make progress; interview essential. A. Goldthorpe, 10 Powis Street, Woolwich, S.E.18.

JUNIOR, unqualified, male, required for high-class business; Photographic experience essential. Apply, by letter, giving full particulars of age, height, experience, salary required, and when disengaged, to C. W. J. Watkins, 3 Mortlake Terrace, Kew Gardens.

LADY Junior Assistant required for good-class Dispensing Family business; one just out of apprenticeship not objected to if trained not in an industrial area. State age, height and salary (indoors); London suburb. 123/19, Office of this Paper.

LADY Assistant, unqualified, required at once; quick and accurate Dispenser; also help on the Counter for W.4 district; also an unqualified male Assistant as Dispenser for W.5 district; must be well recommended. Apply in first instance to 127/12, Office of this Paper.

LOCUM required at once for 3 or 4 weeks; indoors; good references essential. State age, references, salary (first letter). Apply Woodman, Chemist, Burnham-on-Sea.

LOCUM, qualified, required at once for Chemist's business; better working-class trade; wanted for a week or so until the business is sold; easily managed; Leeds district. Send terms and references to Marsden, Chemists' Valuer, 44 Sholebrooke View, Chapeltown Road, Leeds.

OPTICAL AND PHOTOGRAPHIC.—Assistant, with good knowledge of Photography, Salesmanship, Window-dressing, etc., with Optical qualification (J.C.Q.O.), for busy Pharmacy in London, S.W.; £5 weekly and commission on increased turnover. State age, height, details of experience, with photo if possible. Interview will be required. 127/1, Office of this Paper.

QUALIFIED man wanted for new Country Seaside Chemist, with progressive ideas, Photographic experience, and able to make an attractive window display; good personality; living accommodation if required. Apply, stating age, experience, salary and reference, to 118/25, Office of this Paper.

QUALIFIED Assistant (lady preferred) required. Write, stating age, salary required, and experience, to E. N. Holding, Chemist, 114 Church Elm Lane, Dagenham, Essex.

REQUIRED, qualified Dispenser for new business 20 miles London. 127/7, Office of this Paper.

SMART young lady Assistant, unqualified, for good-class business, S.W. district; must have good all-round experience. State age, experience, references, salary required, in first letter; enclose photo, to be returned. 125/16, Office of this Paper.

SMART young lady Assistant (20 years) required as Improver for Retail Counter; no dispensing knowledge necessary; outdoors. Apply, by letter, with photo, giving fullest particulars of experience, salary, etc., to The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, London, S.E.

THOROUGHLY reliable, competent, married Pharmacist required for high-class Dispensing and General Retail; good appearance and address essential; capable of taking charge and controlling staff; good commencing salary and progressive post for sound man not afraid of work; living accommodation provided. References, photo and full particulars to Clarke, Chemist, Torquay.

TWO Assistants, young, unqualified, smart appearance and good address; good-class business, easy reach London and Epping Forest; well trained in Dispensing and Counter work; pleasant manner absolutely essential. Applications unanswered within five days respectfully declined. Enclose no stamped envelope. State full experience and salary required. Matthews & Son, 722 High Road, Leytoustone, Essex.

VACANCY for qualified Assistant (male, single) interested in high-class Pharmacy and Dispensing. Apply, stating the usual particulars and salary required, to E. Quant, Landour, Torquay. Applications not answered in 7 days respectfully declined.

WANTED, Dispenser-Book-keeper. Apply Drs. Chamberlain, Willis & Fisher, 65 Sheen Lane, Mortlake, S.W.14.

WANTED, Junior Assistant for General Retail, Dispensing and Photographic business. Please state experience and wages required, together with copies of testimonials and photograph, which will be returned. Apply Marfitt, Chemist, Infirmary Square, Leicester.

WANTED, smart young lady; Dispensing not essential; state age, experience and salary required; N.W. London. 127/30, Office of this Paper.

WANTED, M.P.S. and J.C.Q.O. to undertake management of a Southern Country business; £500-£700 will purchase half share and preferential claim on optical profits; living accommodation provided. 127/26, Office of this Paper.

WILL YOUNG QUALIFIED ASSISTANTS who have had good training in high-class Dispensing businesses and desirous of accepting posts in which there are opportunities, please write to L. S. Lindley, 10 Chester Place, Hyde Park Square, W.2. There are positions waiting in the West-End.

WHOLESALE.

A THOROUGHLY competent Representative, with own car and strong connection; whole of London Chemists and Hairdressers; would consider good proprietary house. 141/908, Office of this Paper.

ADVERTISING—Capable man, with experience of Advertising and some knowledge of Pharmacy and Medicine, required for Advertising Department of London Wholesalers. Apply, in writing, with full particulars, including age and salary required, to 140/899, Office of this Paper.

ANALYTICAL—Provincial Wholesale House has a vacancy for a competent Assistant Analyst. Apply, with full details of age, experience, and salary required, to 140/898, Office of this Paper.

CORRESPONDENCE invited from Representatives with connection amongst Chemists, etc., who are able to extend sales of British-made "non-combine" Toilet Soaps and advertised Proprietary Lines; liberal commission basis; permanent positions assured to the right men. Write fully, particulars of territory covered, in confidence, to 126/23, Office of this Paper.

EXPERIENCED Travellers wanted to sell two well-known Proprietaries to Chemist trade; territories open, England and Scotland; applicants required to state past experience in detail, with references; all information given will be treated in confidence. 141/903, Office of this Paper.

REPRESENTATIVE required by old-established firm to call on Retail Chemists, high-class Hairdressers and Drapers in Devon, Cornwall, Dorset and Somerset with Toilet Preparations, Proprietary, etc.; residence in Exeter an advantage; salary, expenses and commission. Write, giving full particulars (in confidence) of past experience and remuneration expected, to "S. E. T.", 140/900, Office of this Paper.

LONDON Wholesale Patent Medicine House require smart girl for taking telephone orders and typing; previous experience necessary. State full particulars. 140/901, Office of this Paper.

REPRESENTATIVE, calling on Chemists, Hairdressers, etc., required for series of Toilet Preparations, Shaving and Toilet Soaps; one carrying non-competitive line not objected to; area South of England. Send full particulars of experience, ground covered, lines carried, age; commission basis. Cyona, Aston, Wallingford, Berks.

REPRESENTATIVES, with sound connection among Chemists, wanted to carry Proprietary Toilet Specialities; attractive terms and excellent prospects. Send details of connection and state lines now carried, in strict confidence, to 141/904, Office of this Paper.

TOILET SOAPS—Representative wanted to sell high-grade Toilet Soaps in London and district; must be keen, live man of good presence and with some knowledge of the trade; first-class prospects. State age, experience, and salary required. Write Box B.904, T. B. Browne's Advertising Offices, 163 Queen Victoria Street, E.C.4.

TOILET Soap Maker required with experience in Mixing Perfume. State details of experience, also salary required, in first letter to 141/910, Office of this Paper.

TRAVELLER required by old-established firm, calling on Chemists, etc., in Kent, Sussex, Hants, etc.; open to take up an extra commission; part expenses allowed. Write "H. S.", P.C.B. 84/23, Office of this Paper.

WANTED, capable man accustomed to Manufacture of all Drug and Toilet Preparations; must be thoroughly experienced and able to take charge when required. Write, stating experience, age and salary required, to P.C.B.-85/7, Office of this Paper.

WHOLE-TIME Representative required for London and South Coast by Manufacturing Chemists to sell bulk and packed lines; a good connection among Pharmacies and a thorough knowledge of the territory essential; some Retail experience an advantage; only applications giving full details as to age, experience, remuneration expected, and when available will be considered. 140/902, Office of this Paper.

SITUATIONS WANTED.

RETAIL. [HOME.]

A.A.A.—MANAGER, first-class experience, good business man, Salesman, Buyer, for post of trust; highest references. "Rex," 127/17, Office of this Paper.

A—LOCUM; qualified; long experience in all branches; active; excellent references; terms moderate; disengaged now. "S. C. I.", 54 Priory Road, West Hampstead, N.W.6. Phone: Hampstead 7151.

A QUALIFIED Chemist desires post as Manager; thorough knowledge of Optics, Photo, and all branches of high-class Pharmacy; many years' experience; tall; good address; London or South preferred. 126/18, Office of this Paper.

A VACANCY in a quick Cash business wanted by youth; all-round experience; Window-dressing, Books, etc.; excellent references; free. Apply, Edward M. Golden-Bloom, 66 Ringmer Avenue, Fulham, S.W.6.

ACTIVE; tall; bachelor; Pharmacist; 50; superintend; light duties; disengaged shortly; moderate salary; outdoor. Dallas, Chemist, 9 Trysudd Road, Wolverhampton.

ASSISTANT; tall; 27; referred subject Minor; 6 years' all-round experience. 123/11, Office of this Paper.

ASSISTANT or Locum; first-class Dispensing and Counter experience; Prescriber, Window-dresser; unregistered. "Statim," 24 Kincaig Street, Cardiff.

ASSISTANT; age 23 years (Part I); University trained, Part 2; good Dispensing and Counter experience; willing; energetic; smart appearance; Lancashire or Cheshire preferred; good reference; commence at once. "Arduus," "Abbottou," Fairfield Road, Letchford, Warrington.

ASSISTANT; unqualified; Manchester district, with Chemist or Doctor; age 21; height 6 ft.; experienced Dispenser and Counterman; previous situation 4 years. Wheatcroft, 2 Sylvan Park, Buxton, Derbyshire.

ASSISTANT; age 19; Part I; tall; Dispensing, N.H.I., and Counter; free. Bougourd, Bitterne Pharmacy, Southampton.

ASSISTANT, 23, referred Pharmacy, requires situation giving opportunity to study; London experience. Stocks, 109 Loughborough Park, Brixton.

ASSISTANT; 24; unqualified; 7 years' all-round experience (including 2 years West-End). 48a Hammersmith Bridge Road, W.6.

ASSISTANT, Junior, 19 years, desires situation; West-End Pharmacy preferred; tall; good appearance; willing; energetic; studying Part I. Speuce, 18 Longley Road, Tooting. Phone: Streatham 5760.

ASSISTANT; unqualified; town or country; 25 years' experience in both; accustomed to take charge; good credentials. P.C.B. 35/5, Office of this Paper.

ASSISTANT; male; 25, Referred Pharmaceutical Chemistry; nine years' experience all branches; South preferred. Farmer, 36 Well Street, Ryde.

ASSISTANT, unqualified, married, age 34, abstainer, 21 years' all-round experience, 8 years Managing Assistant, take sole charge, Buying, etc., courteous, Dispensing, Window-dressing, Photography, Developing, Printing, Enlarging, desires position with unfurnished accommodation; permanency; excellent references; interview; London or Suburbs only. Stokes, 69 Churchfold Road, Acton, W.3.

ASSISTANT or Manager; 20 years' experience; Dispensing and Counter; London; unqualified. G. Fall, 105 Tottenham Lane, Hornsey, N.8.

ASSISTANT; good all-round experience; high-class Dispensing; excellent references; £5 per week (outdoors); now disengaged. 126/7, Office of this Paper.

ASSISTANT; 26; unqualified; excellent references; permanency desired; good experience; willing; Midlands or West preferred, not essential; disengaged. 126/5, Office of this Paper.

ASSISTANT, lady, qualified, requires position; permanency. 126/14, Office of this Paper.

BIRMINGHAM.—Qualified Assistant, 22, desires permanency; experienced in good-class Dispensing, N.H.I. and Counter. H. J. Canning, 456 Slade Road, Erdington, Birmingham.

BIRMINGHAM or district; temporary, full or part-time position until April; Referred one subject Part II; excellent experience and references; small salary. Write "C. K. P.," 80 Scalcliffe Road, Burton-on-Trent.

BRANCH Manager; qualified; 16 years' record; satisfaction supported present employer; disengaged suited; anywhere; locality optional. Johnson, 621 Forest Road, Walthamstow, E.17.

CAPABLE, thoroughly experienced Assistant; reliable Dispenser, keen Salesman, Photography; able to take charge; references good; town or country. "A. B.," 127/21, Office of this Paper.

DISENGAGED; qualified, experienced Pharmacist; middle-aged; Locum (or permanency London); active. "M.P.S.," 154 Lower Road, Clapton, E.5.

ELDERLY, unqualified, desires permanency; used to brisk modern business; good Salesman; thoroughly versed all round; active; smart; disengaged in week's time. "Mr. F.," 286 Kingsland Road, E.8.

EXPERIENCED Assistant, worker and conscientious right-hand man, desires position under principal; can manage; unqualified, but "better than"; article and pre-war best experience; state salary. 126/6, Office of this Paper.

EXPERT Fitter of Trusses, Belts, etc., Prescriber Surgical and Medical; 20 years manager to firm of City Chemists; unqualified; highest references. Dawson, 199 Camden Road, London, N.W.1.

GOOD all-round man, single, 34, qualified, requires berth as Manager or Senior; middle-class Family business; healthy country town or near country; one who will lighten your burden of business worries; highest references; wages £4 to £5. Apply "Lancet," 118/26, Office of this Paper.

JUNIOR; 21; first-class Dispensing experience; disengaged. C. Hunter, Greenwood, Cuckfield, Haywards Heath, Sussex.

JUNIOR Assistant, excellent Dispensing and Counter experience, desires post in high-class business; Bristol or Bath district. 126/4, Office of this Paper.

LADY Dispenser (Hall), experience Chemist and Doctor, offers her services; small salary. 123/28, Office of this Paper.

LADY, Improver; 20; just completed three years' indenture; good Dispenser, smart on Counter; all-round experience. Davies, c/o Roper, Chemist, Kington, Herefordshire.

LADY, M.P.S., young, tall, seek situation in London or Suburbs; excellent reference. Write, J. Letcher, 41 Turret Grove, S.W.4.

LADY Dispenser (Hall), experienced, requires post, temporary or permanent, with Doctor, Chemist or Institution; whole or part time; also Book-keeping-Typewriting. 126/16, Office of this Paper.

LADY Dispenser (Hall) requires evening or part-time work with Doctor or Chemist; London, preferably South. 127/13, Office of this Paper.

LIVERPOOL.—Qualified, male, 38, wants Locum, permanent, or part-time position; smart Salesman and Window-dresser; own business last 10 years; good Buyer; London and Provincial experience; thorough knowledge of mail order and advertising in all its branches; disengaged. "Pharmacist," "Hillside," Mill Bank, West Derby, Liverpool.

LOCUM or emergency relief; disengaged; experienced; competent; reliable; highest references; reasonable terms. "Chemicus," 56 Rudloe Road, Clapham Park, S.W.12.

LOCUM.—First-rate Pharmacist, commencing own business, has one week free, from January 22; London only. "M.P.S.," 4a Wheathill Road, Anerley, S.E.20.

LONDON permanency, Locum anywhere till suited; qualified; 34; capable; experienced, Scotland, West-End, South Coast; references excellent; personal interview. Write 31 Meadow Way, Wembley. Last reference: Hampstead 1152.

MALE Dispenser; many years' Hospital and Surgery experience; excellent references; home or abroad. Stephen, 26 Beaumont Avenue, Richmond, Surrey.

MANAGER, thoroughly experienced in all branches, present position 14 years, seeks change, with living accommodation and responsibility, in or near London. Apply 121/121, Office of this Paper.

MANAGER; experienced man; reliable; good Salesman, Prescriber, etc.; prefer Store, not Dispensing; London; disengaged; unregistered sales. G. R. Turner, 14 Hubert Grove, Stockwell, S.W.9.

MANAGER, qualified, active and experienced, at liberty, desires position. Briggs, 8 Brooke Street, Dudley.

MANAGER or Locum; free January 25; qualified; experienced; good Dispenser and Salesman; used to complete charge; highest references; town or country. "Chemist," 77 Alderney Street, Victoria, S.W.1.

MANAGER, M.P.S., married, 32, desires position with view to interest in good-class established business; 18 years' provincial Retail experience, Dispensing, Counter, Window-dressing; Midlands preferred, not essential. 127/16, Office of this Paper.

MANAGER; qualified; middle-age; experienced; married; excellent references; permanency; London or Coast town. Flat 2, 6 Colville Mansions, Powis Terrace, Bayswater, W.

MANCHESTER OR DISTRICT.—Wanted, a situation as qualified Assistant or easy berth by elderly qualified Assistant. "D.," 87 Seymour Road, Clayton, Manchester.

M.P.S., SCOT., 30, desires Managership of good-class Family business; living accommodation preferred; ex "Allenbury" man with "Stores" experience; in full control, buying, etc., for past five years; salary from £6, or equivalent; permanency. 140/885, Office of this Paper.

M.P.S., 22, tall, desires post; 6 years' experience in Dispensing, Counter, Wholesale, Photography; East Midlands or London preferred. R. Nottingham, Marsb Court, Leominster.

M.P.S.; YOUNG; managerial and West-End experience; Salesman; shortly qualifying Optics; French speaking; Locum or permanent; references; disengaged. P.C.B. 85/4, Office of this Paper.

M.P.S., F.S.M.C., registered J.C.Q.O., 28, as Manager or Senior; excellent experience in all branches. 127/22, Office of this Paper.

PART-TIME (London), evening, half or full day, by middle-aged Pharmaceutical Chemist; abstainer, healthy and good appearance; best credentials. "H. E. H.," 45 Lambton Road, Hornsey Rise, N.19.

PERMANENCY; Assistant; excellent Counterman; experienced all branches, excepting optics; highly efficient Dispenser; reliable; accustomed sole charge; salary £5 10s. weekly. 126/3, Office of this Paper.

PHARMACIST, J.C.Q.O., having sold his business, is available as Manager or Locum; London or Southern Counties. 125/36, Office of this Paper.

PHARMACIST, 36, married, requires position as Manager; permanency; experienced and reliable; abstainer; Midlands or Northern Counties preferred. 140/895, Office of this Paper.

PHARMACEUTICAL Chemist desires post as Manager or Locum; disengaged; ref. R.P.U., etc. Jesse Williams, 17 Headfield Road, Savile Town, Dewsbury.

QUALIFIED Manager, 37, single, desires post in or near London if possible; good all-round experience (London and country). 102/25, Office of this Paper.

QUALIFIED, 25, with London and provincial experience, requires progressive post; experienced in all branches, including Surgical; commence £5 10s. 121/23, Office of this Paper.

QUALIFIED Chemist (elderly) desires situation in Bradford-Huddersfield area; moderate salary; good references. 121/22, Office of this Paper.

QUALIFIED, 27, requires post as Manager; good experience; Buying and Photo; free usual notice; North or Midlands. 123/39, Office of this Paper.

QUALIFIED, disengaged, good references, accurate Dispenser, good Counterman, seeks situation in good-class London pharmacy. "A. R. W.," 222 Shelbourne Road, Bournemouth.

QUALIFIED Assistant or Branch Manager; 31; tall; good references; at liberty. F. R. Smith, 10 Gray Road, Colchester.

QUALIFIED, young, energetic, high-class experience, excellent references, good appearance, desires post; disengaged. Watson, 15 Granville Road, Harrogate.

QUALIFIED (22); Manager or Assistant; good experience; excellent references. Taylor, 69 Mildenhall Road, Clapton, E.5.

QUALIFIED, desires position with high-class firm; London and West-End preferred, but not essential. "E. F.," 91 Tideswell Road, Eastbourne.

QUALIFIED; 23; married; good all-round experience; excellent references; South preferred. 125/40, Office of this Paper.

QUALIFIED man, 27, experienced and reliable, desires post as Manager or Assistant; Lancashire preferred, but not essential. 126/29, Office of this Paper.

REFERRED PHARMACY.—Capable Assistant, 22, good Salesman, accurate Dispenser, used N.H.I., requires position in London immediately; good references. Apply D. Moss, 89 Osbaldeston Road, Hackney, N.16.

SHEFFIELD OR DISTRICT.—Assistant (Part I); tall; energetic; 21; smart appearance; reliable Dispenser, keen Salesman. Window-dresser, Photography; good experience and references. "Altior," 16 Fulney Road, Sheffield.

UNSUCCESSFUL candidate (qualifying) requires temporary post until April; good references and experience. Browne, c/o "Straygarth," Sutton-on-Sea, Lincs.

UNQUALIFIED; age 20; first-class Dispensing, Counter and Photographic; excellent references; disengaged January 21. J. Landsman, 3 Alderney Road, Mile End, E.1.

UNQUALIFIED; experienced; middle-aged; capable taking charge; excellent references; Midlands preferred. Apply "H.," 856 Bristol Road, Birmingham.

UNQUALIFIED; Senior; thoroughly trained; used management; taking F.S.M.C.; expert Prescriber; accustomed good-class pharmacy; four berths 20 years; permanency. "Anywhere," 125/30, Office of this Paper.

WELSH-SPEAKING, qualified, desires position; good experience and highest references. 125/33, Office of this Paper.

WHOLESALE.

A COMPETENT Tablet Maker, 20, 3 years' all round, also experienced in the Manufacture of Medicinal and Toilet Preparations, seeks position. Write "F. M.," 50 Woodside Gardens, Tottenham, N.17.

A SOUND connection, experienced and reliable, conscientious, desires change similar Proprietary; outside or inside. 125/32, Office of this Paper.

A YOUNG Technical Chemist, all-round experience, Medicinal and Toilet Preparations, desires immediately progressive appointment, London area, where initiative and hard work will be appreciated. "Progressive," 99 Claverdale Road, S.W.2.

A LIVE wire, complete with live connection (London and Kent) desires to transfer representation to a live up-to-date established firm; Drug or Perfumery, not particular; own saloon car. "S. C. S.," 353 Durnsford Road, Wimbledon, S.W.19.

ENERGETIC man, age 27, thorough knowledge Perfumery, Toilet Preparations and Hairdressers' Sundries, seeks permanency; Wholesale or Retail; disengaged. Chadwick, 87 Bensham Manor Road, Thornton Heath, Surrey.

GENTLEMAN desires position as Representative; best West-End Retail experience; highest reference; can be thoroughly recommended. P.C.B. 84/26, Office of this Paper.

GENTLEMAN, retired from Retail, 16 years own business, like change, Wholesale or Representative for first-class firm; own car; keen for business. Reply 127/23, Office of this Paper.

GENTLEMAN, now open to represent first-class Proprietary Soap or Toilet House; salary, commission and expenses; Yorkshire or N.E. Coast. Apply 127/3, Office of this Paper.

HAIR and Skin Specialist, qualified Trichologist, desires appointment as Research and Compounding Chemist with London firm manufacturing preparations for the skin and hair. 127/24, Office of this Paper.

PHARMACIST, having successfully built up and sold two pharmacies, desires responsible position with Wholesale House; 20 years' experience. 125/360, Office of this Paper.

QUALIFIED Pharmacist, young, energetic, desires post with Wholesale House with view to representation; London preferred, but not essential. 125/24, Office of this Paper.

REPRESENTATIVE, capable, energetic, keen salesman, 20 years' excellent connection, South and West of England, desires position with good house; Drugs, Sundries or Proprietaries. F. H. Pike, "Woodside," Elstead, Godalming.

TRAVELLER, covering extensive grounds, is prepared to carry a first-class side line, on commission basis. 125/37, Office of this Paper.

YOUNG man, own car, 4 years' travelling experience, Drugs, etc., South-Eastern Counties, 14 years in Retail Pharmacy, desires position with old-established Wholesale House. 125/31, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

FULLY qualified Chemist and Optician (Northampton trained), tall, good address, well educated, West-End experience, excellent testimonials, desires position in South Africa; returning home February. P.C.B. 83/24, Office of this Paper.

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of medical articles in French, German and Italian medical journals into English required, suitable for the preparation of literature for distribution to English doctors. Write, stating experience of this work and terms, to 42/42, Office of this Paper.

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CHEMIST FITTINGS.—Complete Fittings in stock. Ranges of Drug Drawers with glass labels, shelving and lockers, glass-fronted Counters, Dispensing Screens, Wall Cases, etc.; all made in sections which any local man can fix. Also Second-hand Fittings, Shop Rounds (ribbon and recess labels); Cash Tills from 15s. 6d. Kwik-Sale Case, special Chemist design. D. MATTHEWS & SON, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

CHEMISTS' FITTINGS.—Showcases, Wallcases, Drugfittings, Counters, Drawers at low prices. Before you decide send to **GEORGE COOK,** the well-known Chemists' Fitter, 27 Macclesfield Street, City Road, E.C.1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.,** 219 Old Street, London, E.C.1.

£90.—10 ft. Drug Fitting, comprising cupboards, drawers, lockers, cornice and shelving; 8 ft. Serving Counter with glass cases in front; 6 ft. Dispensing Screen and Counter; 6 ft. Wall Case, Perfume Case and Desk; Counter Drawers; mahogany; packed and free on rail London. **PHILIP JOSEPHS & SONS, LTD.,** 90 and 92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy Fitters for Over a Century."

£95 FOR A COMPLETE SET of Pharmacy Fittings, ready for immediate use, 10 ft. mahogany Drug Fitting with showcase, drawers, cupboards, shelving, etc.; 6 ft. Wall Case in two heights; 6 ft. Dispensing Screen with showcases and bevelled mirror in centre; 10 ft. mahogany Serving Counter with cases in front; two nests of Counter Drawers; plate-glass Counter Case, Perfume Showcase and Desk, Check Till. **PERCY R. E. JOSEPHS,** 68 Old Street, 1/5 Tilney Court, London, E.C.1. Phone: Clerkenwell 0929.

£87 15s.—SET of MAHOGANY FITTINGS.—10 ft. Drug Run, 30 drawers (glass knobs and labels), shelves, cupboards and lockers; 10 ft. glass-fronted Counter, nest of 13 drawers at back; 6 ft. Wallcase, 6 ft. Dispensing Screen, Perfume Case and Desk. Illustrations on request. **E. BERG, LTD.,** 336 Old Street, London, E.C.1.

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ALDIS ENSIGN VERTICAL ENLARGER, original price £9 9s., perfect working condition; Aldis Plano Anastigmat Lens, £3 3s. Willis, Seaton, Devon.

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OPTICAL TRIAL CASE, complete. Price and full particulars, Lydford, Norwood Pharmacy, Cheltenham. **GOWER, Chemists' Bookseller,** 41 Voltaire Road, Clapham wants Pharmaceutical Books, including Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books.

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